

PROCESS WIRING



TURCK

Process Wiring Products

TURCK Process Wiring Solutions

This catalog contains products from **TURCK's** extensive line of industrial wiring products that are optimized for process applications. The receptacles, drop cords, junction boxes, home-run cables and accessories described within, comprise a process wiring system designed for the demanding conditions of process applications.

- Quick-disconnect design eliminates mis-wiring and speeds installation.
- Instrument receptacles, drop cords, junction boxes and home-run cordsets reduce multiple cable runs.
- Shielded-twisted pair construction serves analog and HART applications.
- Cables with premium PVC insulation provide superior chemical resistance and flexibility.
- Choice of stainless steel or nickel-plated brass hardware.
- Rated and approved for installation in process applications.
- Many products are FM approved for installations in hazardous locations.



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Code Requirements for Flexible Process Wiring Products Ordinary (Nonhazardous) Locations

Figure 1



Type ITC cable, or Instrumentation Tray Cable, provides a cost effective alternative for installation of low power instrumentation and control circuits. The National Electrical Code's (NEC) Article 727 permits the use of ITC- rated cables "in industrial establishments where the conditions of maintenance and supervision ensure that only qualified persons service the installation". It may be used in "instrumentation and control circuits operating at 150 volts or less and 5 amps or less." Permitted uses include installation in cable trays or basket trays (Figure 1), or as Exposed Run wiring in specified circumstances.

One of the permitted uses of ITC cable is illustrated in Figure 2. NEC, Article 727.4(5) allows ITC cable without metallic sheath or armor between cable tray and equipment in lengths not to exceed 15 m (50 ft.), where the cable is supported and protected against physical damage using mechanical protection, such as struts, angles, or channels.

Figure 2

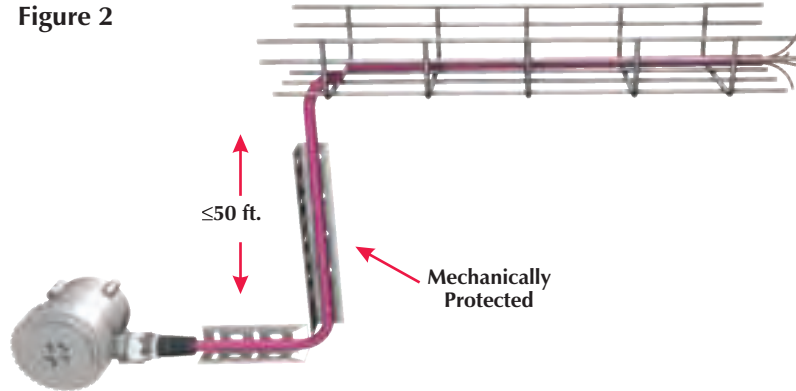
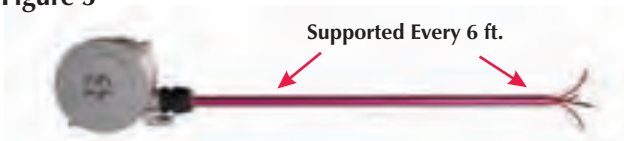


Figure 3



Another permitted use of ITC cable that increases flexibility is illustrated in Figure 3. NEC Article 727.4 (4) allows ITC cable to be used where enclosed in a smooth metallic sheath, continuous corrugated metallic sheath, or interlocking tape armor applied over the nonmetallic sheath in accordance with 727.6. The cable shall be supported and secured at intervals not exceeding 1.8 m (6 ft.)."

When using armored cable, there is no requirement for further mechanical protection or a length limitation. When using ITC cable that complies with the requirements of NEC 727.4(6) no further protection is required.

Code Requirements for Flexible Process Wiring Products Ordinary (Nonhazardous) Locations

NEC 727.4(6) allows the installation of ITC cable that complies with the crush and impact of Type MC cable between the cable tray and equipment in lengths not to exceed 15 m (50 ft.) without additional protection. Cable meeting this requirement is identified as "Exposed Run" or "ER" (Figure 1).

This concept enables convenient wiring methods, given that drops from a cable tray may be made without additional auxiliary trays or raceways. Additionally, ITC cable uses 300 volt insulation, resulting in smaller diameter, more flexible cable, with no requirement for special (e.g. Class 2) power supplies. When the ITC cable concept is combined with the **TURCK** process wiring system, the result is an extremely flexible and cost-effective system for process wiring. The basic building blocks of the system are device receptacles, junction boxes, and molded cordsets.

Figure 1

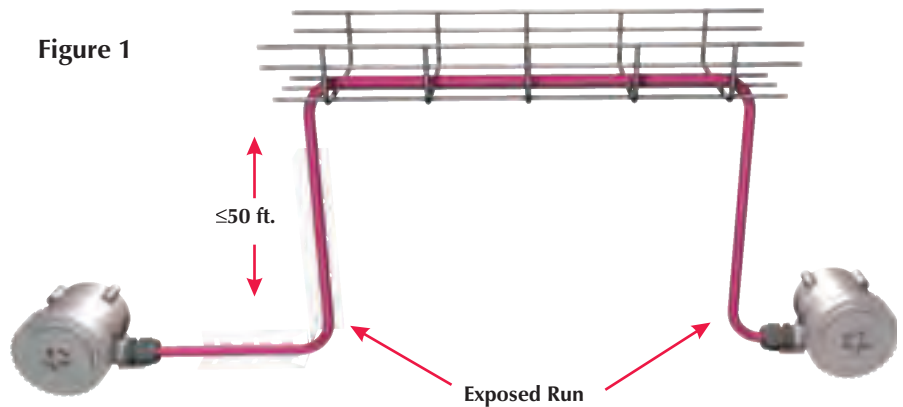
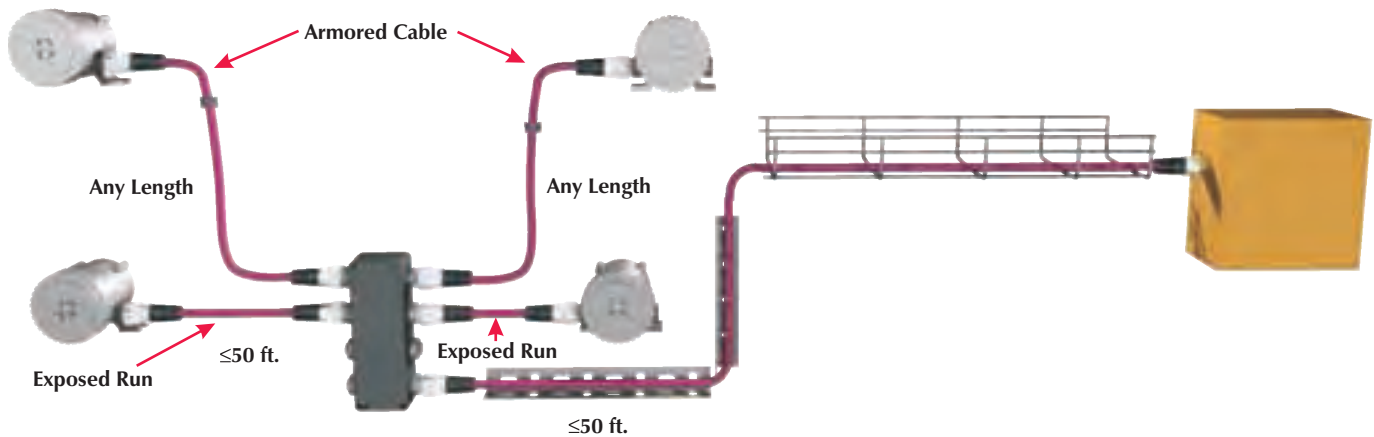


Figure 2



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Process Wiring Products

The **TURCK** process wiring system provides an integrated, code-compliant wiring method that adds the benefits of quick-disconnects to the ITC cable installation concepts.



Receptacles with 1/2-14NPT and 3/4-14NPT threads, as well as M20x1.5, easily extend the benefits of quick-disconnect wiring to most process instruments.

Junction boxes can significantly consolidate field wiring. They are available in metal or nylon housings with 4 or 8 ports and home-run quick-disconnects or integral home-run cables.



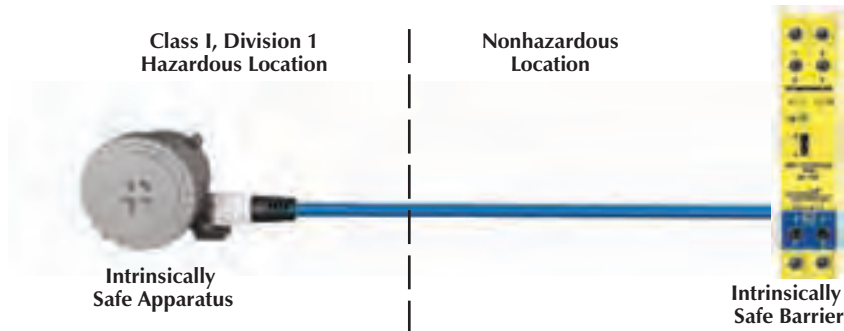
Molded quick-disconnect cordsets, using ITC cable, provide the ratings and performance characteristics required for process applications.



Hazardous Locations

Even more value can be derived from the **TURCK** process wiring system in hazardous locations. The system is now FM approved for use in Class I, Divisions 1 and 2 when installed per **TURCK** drawing QCF-00147 and CSA certified when installed per **TURCK** control drawing Ni-2.404. Contact **TURCK** for a copy of the approval documents or visit www.turck.com/fmcd.

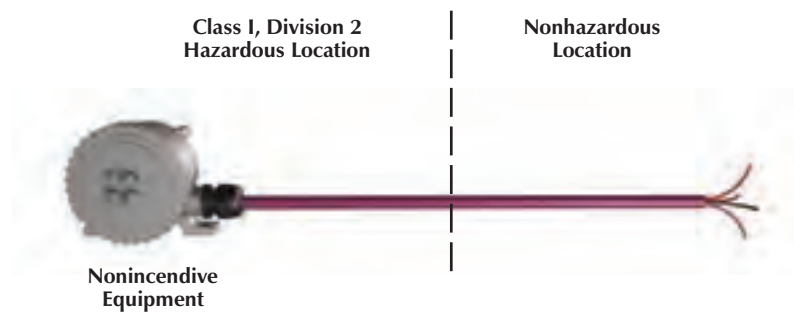
Intrinsically Safe Circuits



Intrinsically safe circuits may be wired using any of the wiring methods suitable for unclassified locations. The use of connectors is allowed as intrinsically safe circuits are safe against faults, including opening, shorting or grounding.

The same requirements for mechanical protection and length limitations apply as in nonhazardous locations.

Nonincendive Equipment*



FM:

ITC cable is a recognized Division 2 wiring method. NEC in Article 501.10 (B)(1)(5) states "Type ITC cable as permitted in 727.4". This is further reinforced by Article 727.4 (3), which states that ITC cable is permitted "in hazardous locations as permitted in 501.10,...".

The same requirements for mechanical protection and length limitations apply as in nonhazardous locations.

CSA:

Canadian installations require the use of specific cable types for non-intrinsically safe circuits in Class I, Division 2 areas. **TURCK** offers CMX-HL cables for unprotected cable runs and CIC cable (Control and Instrumentation Cable) for cable runs in cable trays.

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Quick-disconnects that do not require a tool to disengage are considered “normally arcing”. They are not allowed to be used in Division 2 for incandive circuits without additional protection.

lokfast™ guards enable the use of quick-disconnect technology in Class I, Division 2 hazardous locations.

lokfast guards render quick-disconnects not “normally arcing” by:

- Eliminating access to the coupling nut making disconnection impossible.
- Warning the user to disconnect power before removing.
- Requiring a tool for removal.

lokfast guards are available for 7/8-16UN **minifast®** and M12 **eurofast®** molded and field-wireable connectors.

Optional M23 **multifast®** home-run connectors with set screw locks also render a connection not “normally arcing”.



lokfast guards (or integrally locked **multifast** connectors) on all quick disconnects in Division 2 (Figure 1).

The molded construction of the home-run connector and the gas/vapor tight continuous sheath meet the NEC Article 501-15(E)(2) requirements for cable seals in Division 2.

The same requirements for mechanical protection and length limitations apply as in nonhazardous locations.

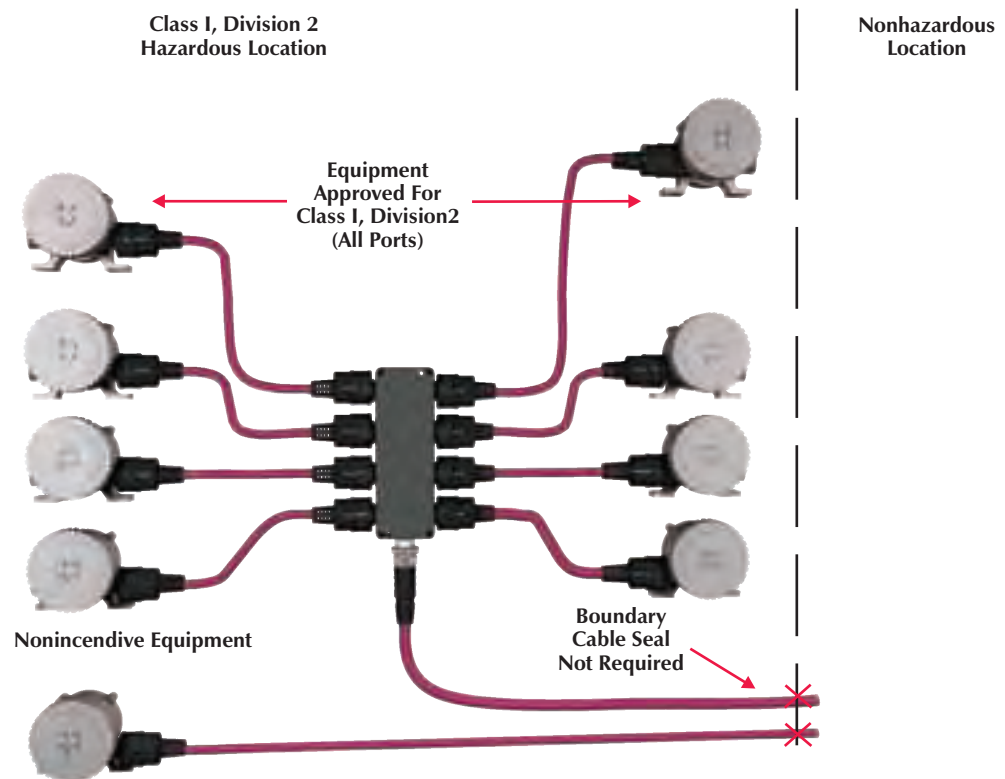


Figure 1

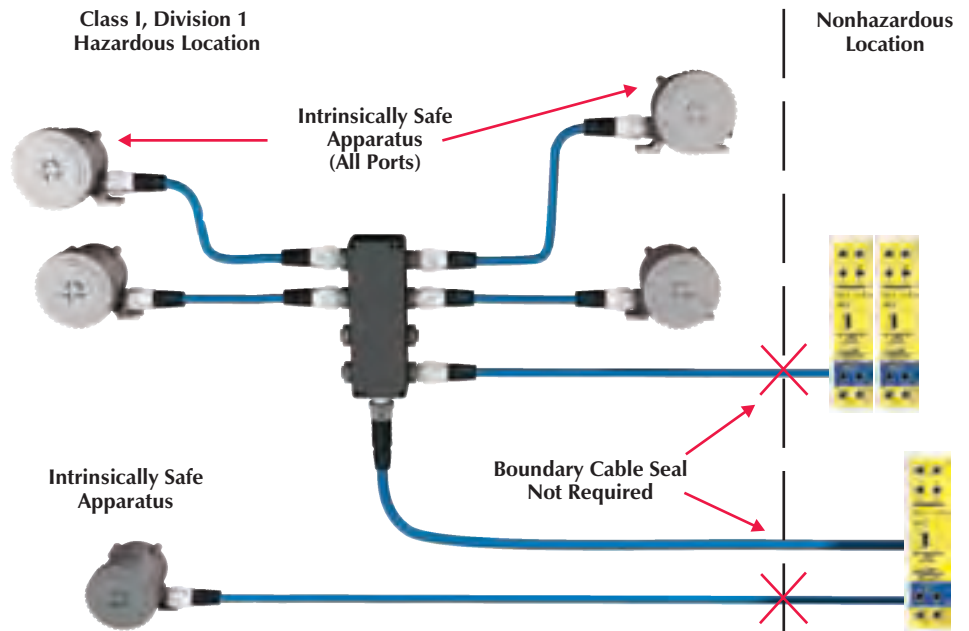
Intrinsic Safety Summary

Intrinsically safe circuits do not require additional protection for quick-disconnects.

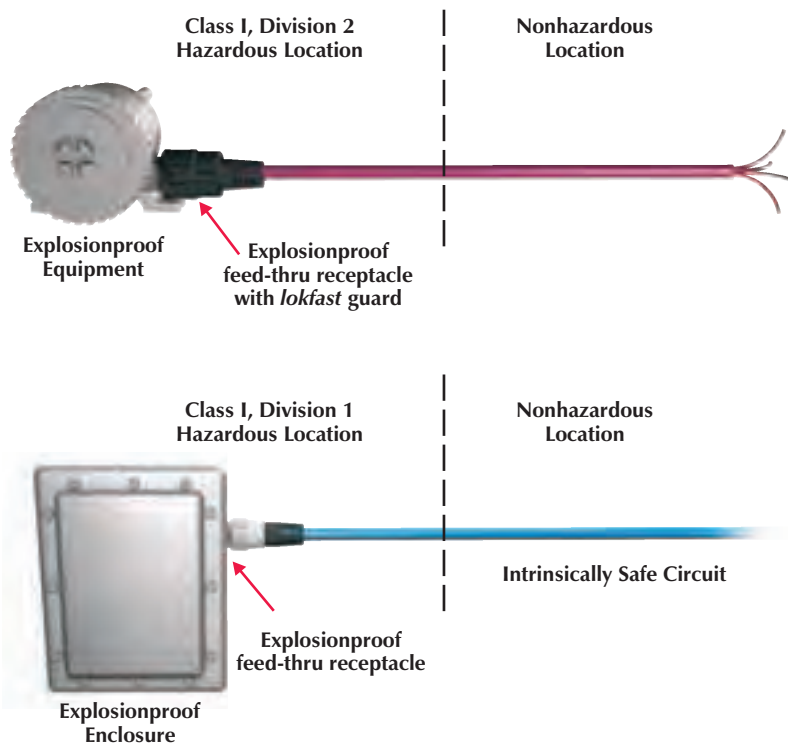
Junction boxes must have FM-approved spacings and entity parameters for intrinsically safe circuits.

Boundary seals are not required for this location, as the molded home-run connector and the gas/vapor tight continuous cable sheath meet the NEC Article 501-15©) requirements for cable seals in Class I, Divisions 1 and 2.

Requirements for mechanical protection and length limitations are equivalent to nonhazardous locations.



Explosionproof Equipment



ITC cable, a recognized Division 2 wiring method, may be used to connect Explosionproof equipment installed in Division 2 when used with an explosionproof feed-thru receptacle. The extremely robust receptacle maintains the equipment's explosion containment protection scheme. The external wiring, however, is in Division 2, and can therefore be installed using Division 2 wiring methods.

Explosionproof feed-thru receptacles may also be used to feed intrinsically safe circuits into or out of explosionproof enclosures in Class I, Division 1 hazardous locations.

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Process Wiring Products

2-Wire Analog or HART Control Circuit Selection Guide



M12 eurofast® Thread	Drop Cordsets	Receptacles with Cable	Receptacles with Leads	Junction Boxes
Pages	K15 - K19	K20 - K26	K27 - K32	K33 - K42



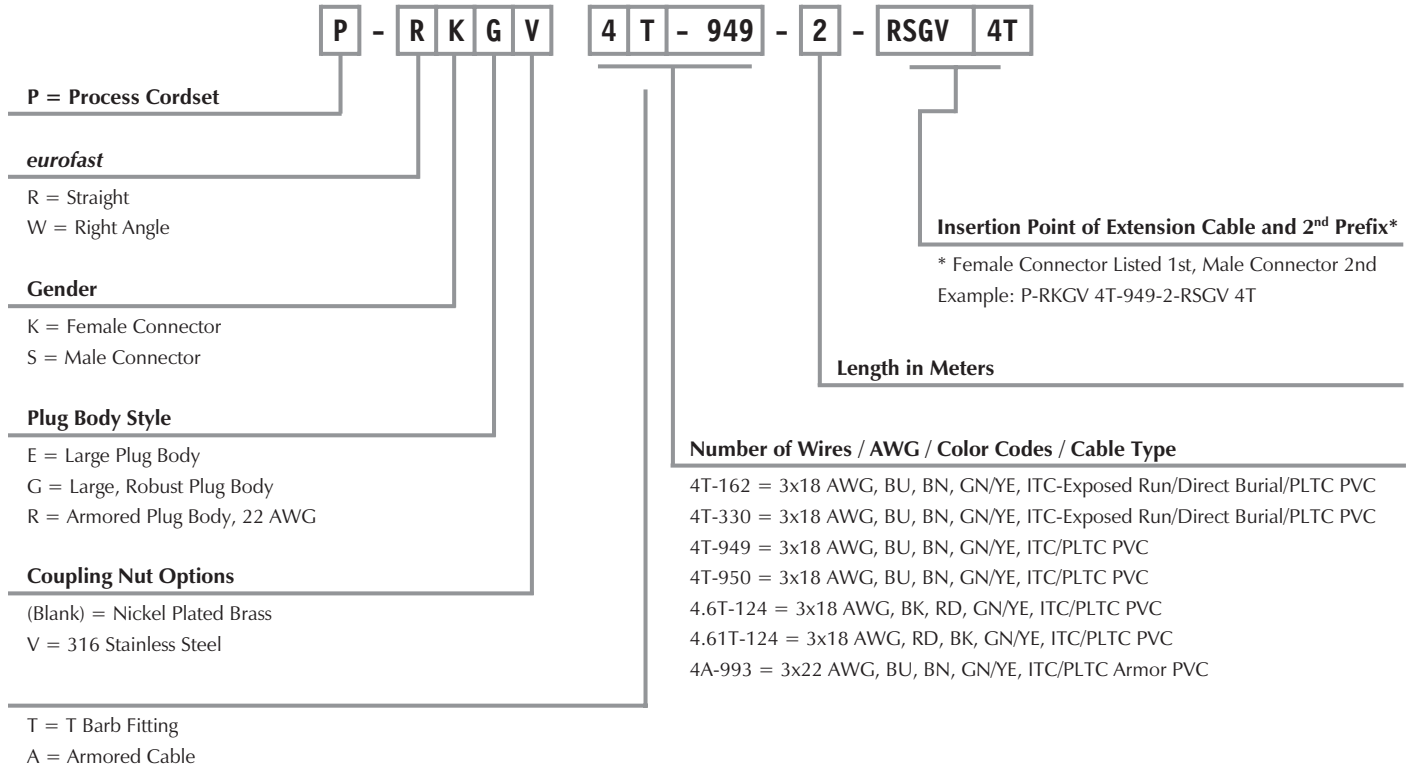
7/8" minifast® Thread	Drop Cordsets	Receptacles with Cable	Receptacles with Leads	Explosionproof Receptacles	"Y" Fitting Receptacles	Junction Boxes
Pages	K47 - K54	K55 - K61	K63 - K72	K73 - K76	K77 - K78	K79 - K84



M23 multifast® Thread	Home Run Cordsets	Receptacles with Cable	Receptacles with Leads
Pages	K85 - K92	K93 - K94	K95 - K96

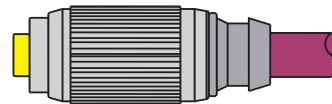
eurofast® Cordset Part Number Key, 2-Wire Analog or HART Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Single Ended Example:

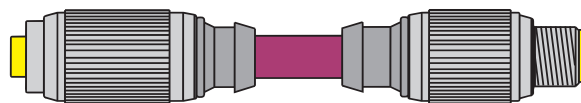
P - R K G 4 T - 949 - 2



RKG ..

Extension Example:

P - R K G 4 T - 949 - 2 - R S G 4 T



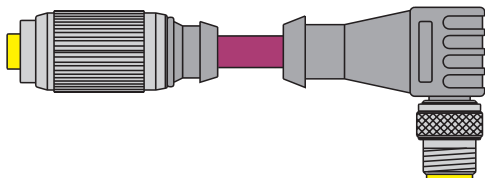
RKG .. - RSG ..

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Process Wiring Products

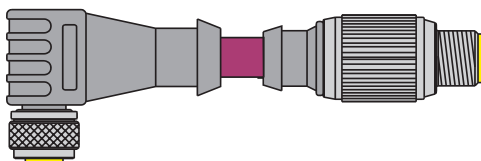
eurofast® Cordset Extension

Other Extension Examples:



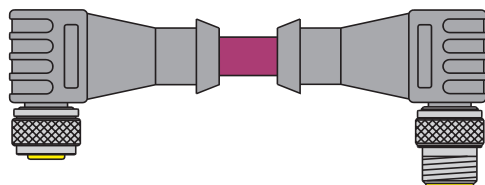
P - R K G 4 T - 949 - 2 - W S E 4 T

RKG .. - WSE ..



P - W K E 4 T - 949 - 2 - R S G 4 T

WKE .. - RSG ..



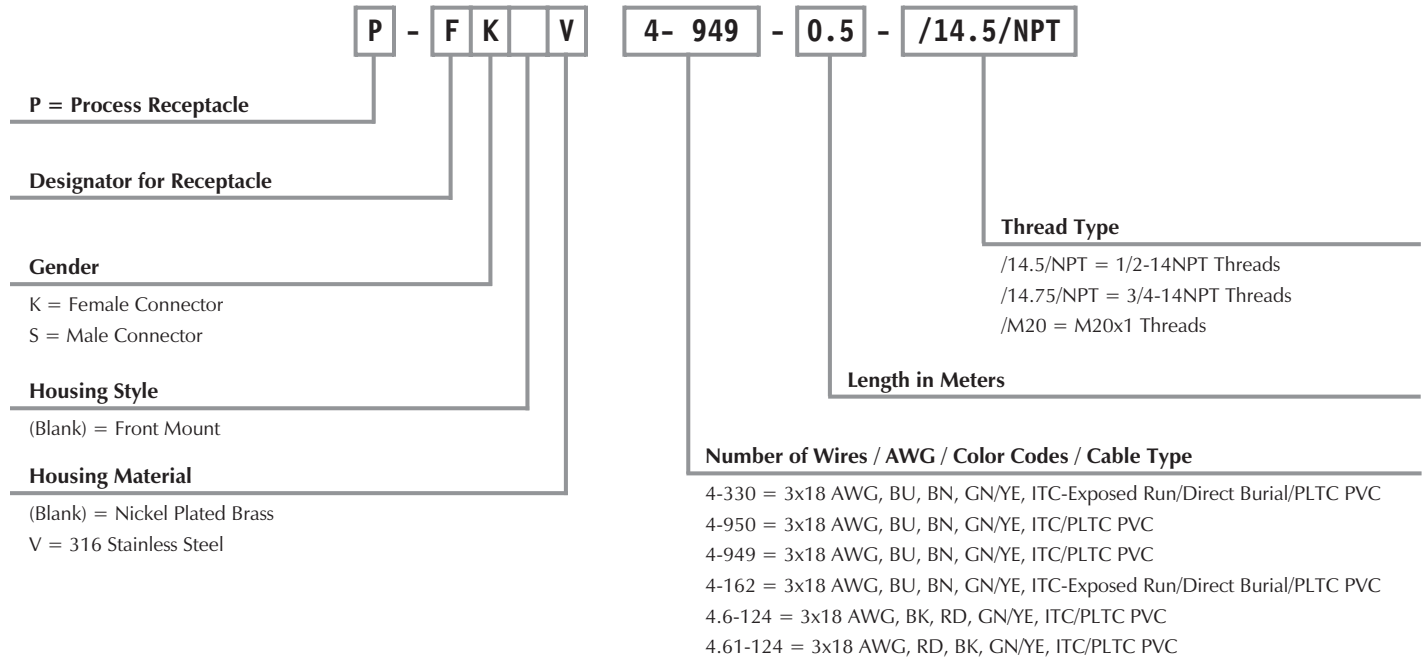
P - W K E 4 T - 949 - 2 - W S E 4 T

WKE .. - WSE ..

Note: Hybrid connector extensions also available. Consult factory.

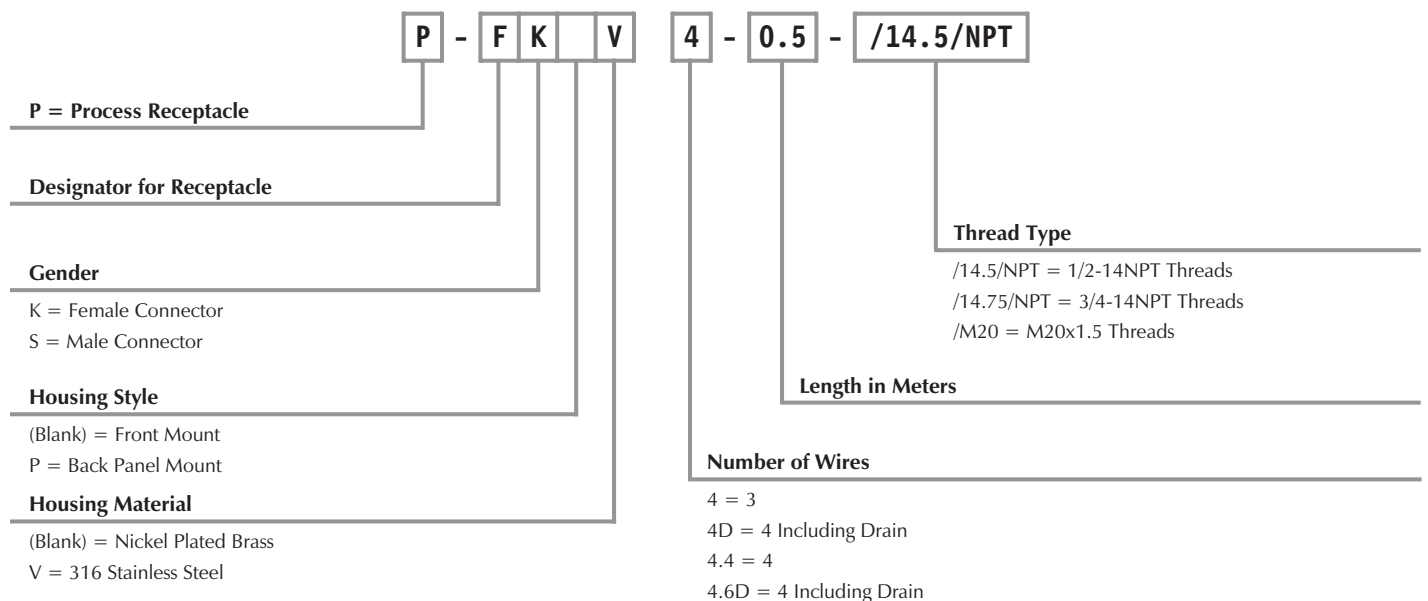
eurofast® Receptacle with Cable Part Number Key, 2-Wire Analog or HART Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



eurofast Receptacle with Leads Part Number Key, 2-Wire Analog or HART Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



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Process Wiring Products

eurofast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Female Connectors
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



FM tested to the cable sealing requirements of NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-RKG .. 	P-RKG 4T-949-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RKG 4T-162-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		1. BK 2. RD 3. Drain 4. GN/YE
	P-RKG 4.6T-124-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M [†]		1. RD 2. BK 3. Drain 4. GN/YE
	P-RKG 4T-950-*	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RKG 4T-330-*	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M [†]		

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RKG.."; "P-RKGV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast eurofast** guards (Part Number: LOCK-EURO-G) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

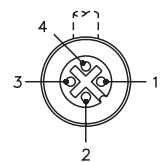
eurofast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Female Connectors
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-WKE ..	P-WKE 4T-949-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. BU 2. BN 3. Drain 4. GN/YE
	P-WKE 4T-162-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-WKE 4.6T-124-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. RD 2. BK 3. Drain 4. GN/YE
	P-WKE 4.61T-124-*			
	P-WKE 4T-950-*	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M†	<i>Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.</i>	1. BU 2. BN 3. Drain 4. GN/YE
	P-WKE 4T-330-*	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†		



* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WKE.."; "P-WKEV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast®** cable information.

** Use with **lokfast eurofast** guards (Part Number: LOCK-EURO) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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Process Wiring Products

eurofast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Male Connectors
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-RSG ..	P-RSG 4T-949-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RSG 4T-162-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-RSG 4.6T-124-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. RD 2. BK 3. Drain 4. GN/YE
	P-RSG 4.61T-124-*	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-RSG 4T-950-*	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.	
	P-RSG 4T-330-*			

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RSG.."; "P-RSGV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast eurofast** guards (Part Number: LOCK-EURO-G) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

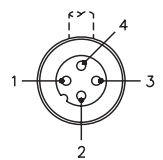
eurofast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Male Connectors
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-WSE ..	P-WSE 4T-949-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain 4. GN/YE
	P-WSE 4T-162-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-WSE 4.6T-124-*	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. RD 2. BK 3. Drain 4. GN/YE
	P-WSE 4.61T-124-*			
	P-WSE 4T-950-*	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M†	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.	1. BU 2. BN 3. Drain 4. GN/YE
	P-WSE 4T-330-*	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†		



* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WSE.."; "P-WSEV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast eurofast** guards (Part Number: LOCK-EURO) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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euromast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Connectors
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V, 3 A)



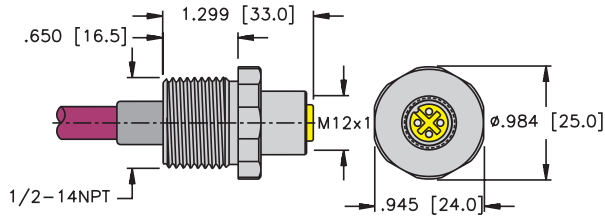
FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-RKR .. 	P-RKR 4A-993-*	ITC/PLTC ARMOR PVC Plum 3x22 AWG, 1 STP with GND Foil/Drain (24) 105°C 11.2 mm OD Cable #RF50993-*M†	Analog or HART control circuits in Extreme Conditions or Class I, Division 2 hazardous locations** or unclassified locations	1. BU 2. BN 3. Drain 4. GN/YE
P-RSR .. 	P-RSR 4A-993-*			

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass.
† See pages K236 - K244 for reelfast® cable information.
** Use with lokfast euromast guards (Part Number: LOCK-EURO-R) in Class I, Division 2 applications.
Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

euromast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

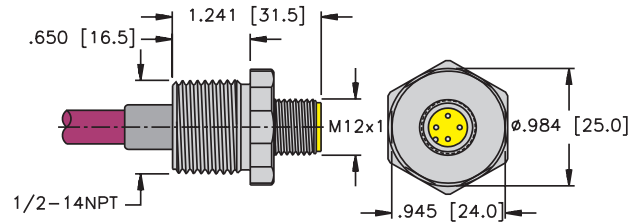
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P-FK .. 14.5/NPT

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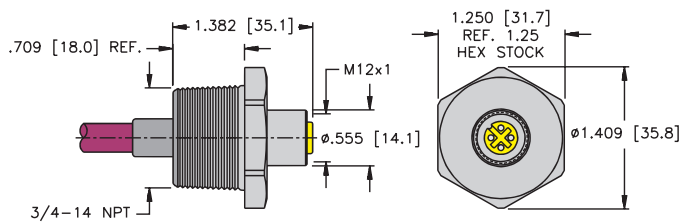
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P-FS .. 14.5/NPT

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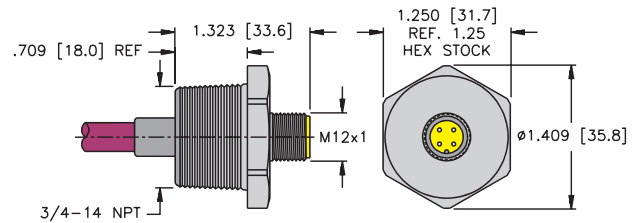
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P-FK .. 14.75/NPT

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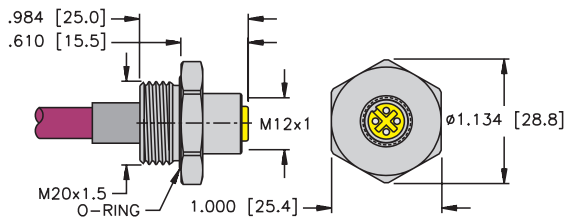
4



P-FS .. 14.75/NPT

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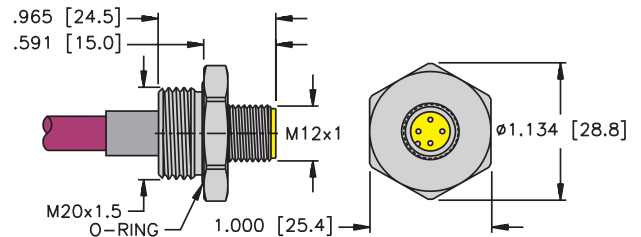
5



P-FK .. M20

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6



P-FS .. M20

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Note: Recommended panel cutout size and panel thickness.

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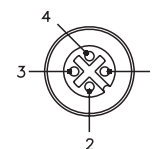
Process Wiring Products

eurofast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
	P-FK 4-949-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Threads.</i>	1. BU 2. BN 3. Drain 4. GN/YE
	P-FK 4-162-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		
	P-FK 4.6-124-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-FK 4.61-124-*/14.5/NPT			1. RD 2. BK 3. Drain 4. GN/YE
	P-FK 4-950-*/14.5/NPT	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M†	<i>Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 1/2-14NPT Threads.</i>	1. BU 2. BN 3. Drain 4. GN/YE
	P-FK 4-330-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†		



See page K20 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-FK."; "P-FKV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

† See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
	P-FS 4-949-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FS 4-162-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		
	P-FS 4.6-124-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-FS 4.61-124-*/14.5/NPT			1. RD 2. BK 3. Drain 4. GN/YE
	P-FS 4-950-*/14.5/NPT	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 1/2-14NPT Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FS 4-330-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†		

See page K20 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-FS.."; "P-FSV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

† See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

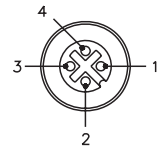
Process Wiring Products

eurofast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
	P-FK 4-949-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FK 4-162-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		
	P-FK 4.6-124-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M [†]		1. BK 2. RD 3. Drain 4. GN/YE
	P-FK 4.61-124-*/14.75/NPT			1. RD 2. BK 3. Drain 4. GN/YE
	P-FK 4-950-*/14.75/NPT	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 3/4-14NPT Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FK 4-330-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M [†]		



See page K20 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-FK."; "P-FKV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
	P-FS 4-949-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FS 4-162-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		
	P-FS 4.6-124-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-FS 4.61-124-*/14.75/NPT			1. RD 2. BK 3. Drain 4. GN/YE
	P-FS 4-950-*/14.75/NPT	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*M†	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 3/4-14NPT Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FS 4-330-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†		

See page K20 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-FS."; "P-FSV." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

† See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

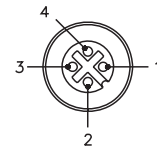
Process Wiring Products

eurofast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
	P-FK 4-949-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*/M†	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FK 4-162-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*/M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-FK 4.6-124-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*/M†		1. RD 2. BK 3. Drain 4. GN/YE
	P-FK 4.61-124-*/M20			
	P-FK 4-950-*/M20	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*/M†	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. M20 Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FK 4-330-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*/M†		



See page K20 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-FK.."; "P-FKV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

† See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(use as ITC limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
	P-FS 4-949-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*/M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FS 4-162-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*/M [†]		1. BK 2. RD 3. Drain 4. GN/YE
	P-FS 4.6-124-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*/M [†]		1. RD 2. BK 3. Drain 4. GN/YE
	P-FS 4.61-124-*/M20			
	P-FS 4-950-*/M20	ITC/PLTC PVC Blue 3x18 AWG 105°C 7.2 mm OD Cable #RF50950-*/M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. M20 Threads.	1. BU 2. BN 3. Drain 4. GN/YE
	P-FS 4-330-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*/M [†]		

See page K20 for dimensional drawings.

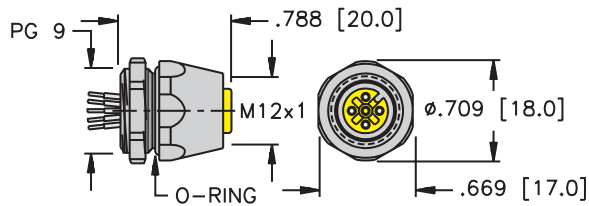
* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-FS."; "P-FSV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

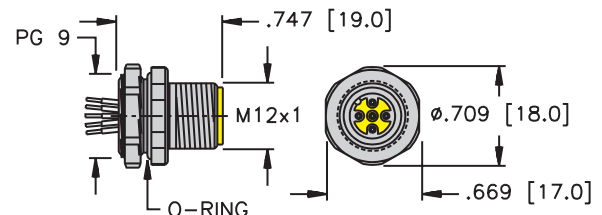
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P-FK ..

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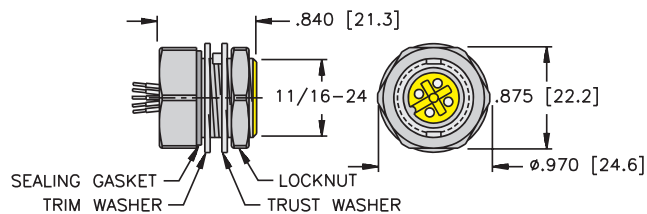
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P-FS ..

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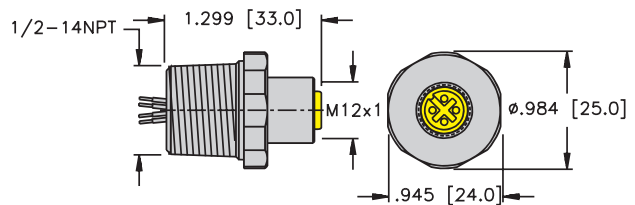
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P-FKP ..

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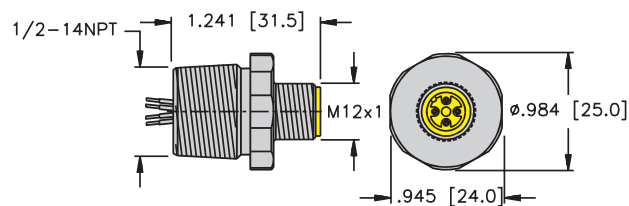
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P-FK ../14.5/NPT

Page K31

5

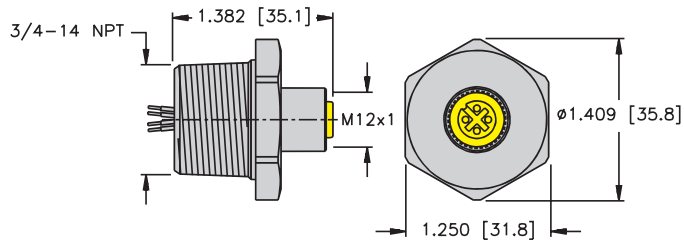


P-FS ../14.5/NPT

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eurofast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

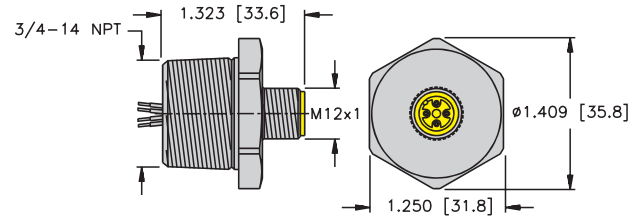
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P-FK .. /14.75/NPT

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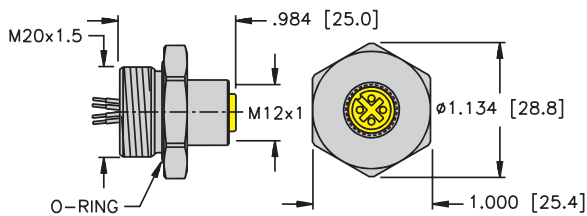
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P-FS .. /14.75/NPT

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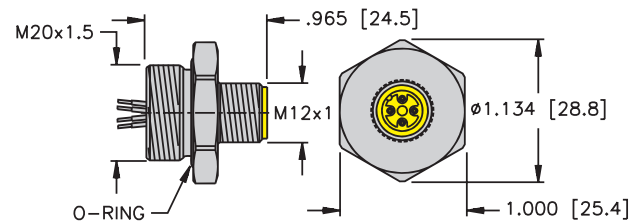
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P-FK .. /M20

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9



P-FS .. /M20

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TURCK
Process Wiring Products

eurofast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 68 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
 	P-FK 4-*	UL, CSA 3x18 AWG 105°C 250 V, 4 A	PG 9 Threads, Front Panel Mount	1. BU 2. BN 3. N/C 4. GN/YE
	P-FK 4D-*	UL, CSA 4x18 AWG 105°C 250 V, 4 A	PG 9 Threads, Front Panel Mount, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE
	P-FKP 4-*	UL, CSA 3x18 AWG 105°C 250 V, 4 A	Back Panel Mount	1. BU 2. BN 3. N/C 4. GN/YE
	P-FKP 4D-*	UL, CSA 4x18 AWG 105°C 250 V, 4 A	Back Panel Mount, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K27 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Housing material listed is nickel plated brass "P-FK(P).."; "P-FK(P)V.." indicates 316 stainless steel.
Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.



eurofast[®] Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 68 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
2	P-FS 4-*	UL, CSA 3x18 AWG 105°C 250 V, 4 A	PG 9 Threads, Front Panel Mount	1. BU 2. BN 3. N/C 4. GN/YE
	P-FS 4D-*	UL, CSA 4x18 AWG 105°C 250 V, 4 A	PG 9 Threads, Front Panel Mount, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See [page K27](#) for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
 Housing material listed is nickel plated brass "P-FS.."; "P-FSV.." indicates 316 stainless steel.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

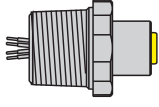
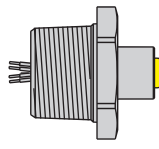
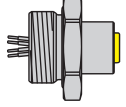
TURCK

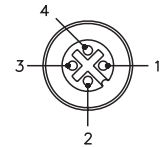
Process Wiring Products

eurofast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 68 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
4 	P-FK 4-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-FK 4D-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE
	P-FK 4.4-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads	1. BU 2. BN 3. WH 4. BK
	P-FK 4.6D-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads	1. BK 2. RD 3. GY 4. GN/YE
6 	P-FK 4-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 250 V, 4 A	3/4-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-FK 4D-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE
8 	P-FK 4-*/M20	UL, CSA 3x18 AWG 105°C 250 V, 4 A	M20 Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-FK 4D-*/M20	UL, CSA 4x18 AWG 105°C 250 V, 4 A	M20 Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE



See pages K27 - K28 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Housing material listed is nickel plated brass "P-FK."; "P-FKV.." indicates 316 stainless steel.

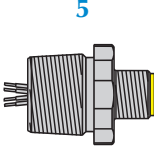
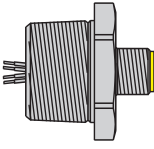
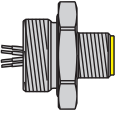
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20, 1-1/16" (27.0 mm) for 3/4-14NPT.

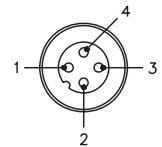
Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 68 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-FS 4-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-FS 4D-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE
	P-FS 4.4-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads	1. BU 2. BN 3. WH 4. BK
	P-FS 4.6D-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	1/2-14NPT Threads	1. BK 2. RD 3. GY 4. GN/YE
	P-FS 4-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 250 V, 4 A	3/4-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-FS 4D-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 250 V, 4 A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE
	P-FS 4-*/M20	UL, CSA 3x18 AWG 105°C 250 V, 4 A	M20 Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-FS 4D-*/M20	UL, CSA 4x18 AWG 105°C 250 V, 4 A	M20 Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE



See pages K27 - K28 for dimensional drawings.

- * Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Housing material listed is nickel plated brass "P-FS.."; "P-FSV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20, 1-1/16" (27.0 mm) for 3/4-14NPT.
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products



multibox® *eurofast*® Nylon Junction Boxes w/Integral Home Run Cable

- Consolidation of 2-wire Analog or HART Control Circuits in Hazardous Locations or Unclassified Locations



FM approved for installation in hazardous locations when installed per **TURCK** Control Drawing QCF-00147 (www.turck.com/fmcd) using specified accessory equipment.
 "/C" versions CSA certified for installation in hazardous locations when installed per **TURCK** Control Drawing Ni-2.404(www.turck.com/fmcd) using certified accessory equipment.

4-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout	Nickel Plated Brass	Stainless Steel
4-port glass-filled nylon junction box, eurofast port connectors, integral home-run cable	Home-run cable with 4/22 AWG shielded twisted pairs, each with 22 AWG drain [†] , plus overall shield with 22 AWG drain and 18 AWG overall ground, 10.0 mm OD	<u>Port, Pin</u> Port 1, Pin 1 WH/BK Port 1, Pin 2 BK/WH Port 2, Pin 1 WH/GN Port 2, Pin 2 GN/WH Port 3, Pin 1 WH/RD Port 3, Pin 2 RD/WH Port 4, Pin 1 WH/OG Port 4, Pin 2 OG/WH Ports 1-4, Pin 3 Drain Ports 1-4, Pin 4 GN/YE	P-4MB12-4-960-*	P-4MBV12-4-960-*
			P-4MB12-4-415-*/C	P-4MBV12-4-415-*/C

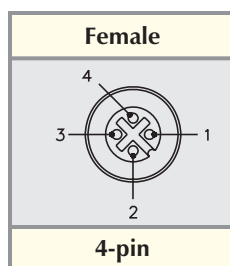
8-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout	Nickel Plated Brass	Stainless Steel
8-port glass-filled nylon junction box, eurofast port connectors, integral home-run cable	Home-run cable with 8/22 AWG shielded twisted pairs, each with 22 AWG drain [†] , plus overall shield with 22 AWG drain and 18 AWG overall ground, 12.0 mm OD	<u>Port, Pin</u> Port 1, Pin 1 WH/BK Port 1, Pin 2 BK/WH Port 2, Pin 1 WH/GN Port 2, Pin 2 GN/WH Port 3, Pin 1 WH/RD Port 3, Pin 2 RD/WH Port 4, Pin 1 WH/OG Port 4, Pin 2 OG/WH Port 5, Pin 1 WH/BU Port 5, Pin 2 BU/WH Port 6, Pin 1 WH/BN Port 6, Pin 2 BN/WH Port 7, Pin 1 WH/YE Port 7, Pin 2 YE/WH Port 8, Pin 1 WH/VT Port 8, Pin 2 VT/WH Ports 1-8, Pin 3 Drain Ports 1-8, Pin 4 GN/YE	P-8MB12-4-959-*	P-8MBV12-4-959-*
			P-8MB12-4-416-*/C	P-8MBV12-4-416-*/C

* Length in meters.

[†] Each circuit has dedicated drain wire not connected in the junction box.

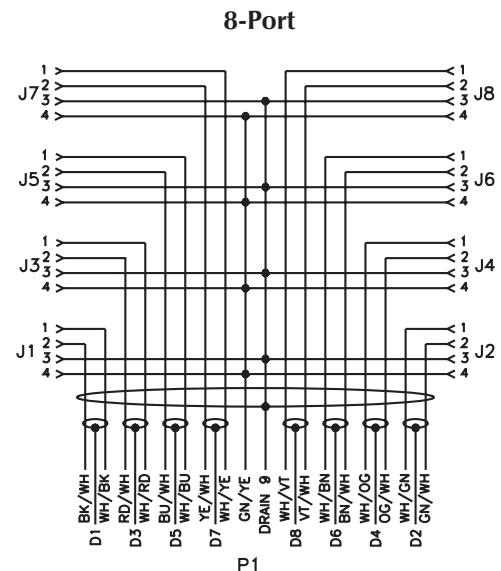
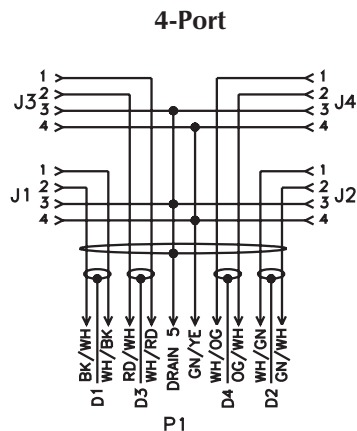
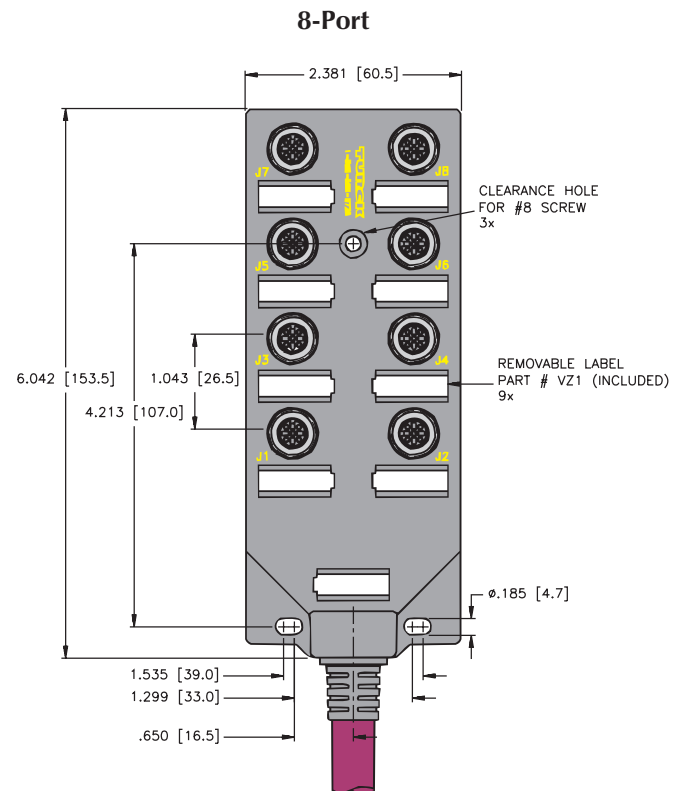
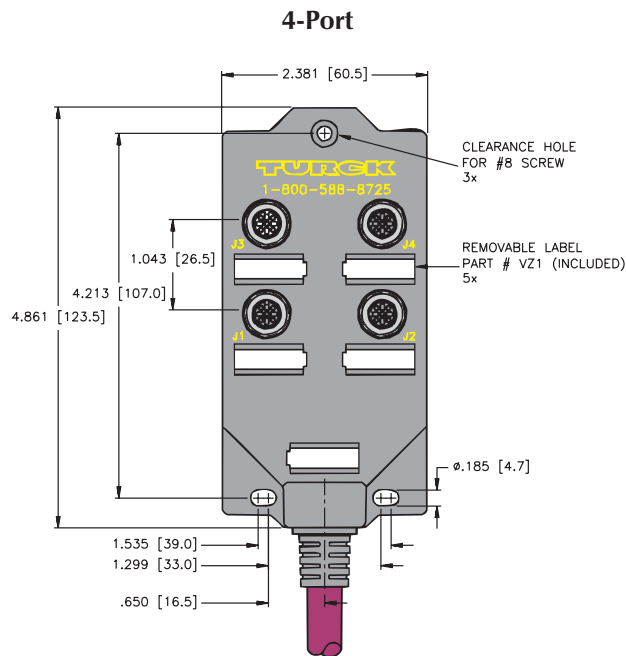
Pinouts



Specifications

Housing:	Glass filled nylon.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), Nylon contact carriers.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 68.
Cable:	Standard Version: Plum PVC jacket, UL ITC/PLTC/AWM, CSA CMX-Outdoor/CMG/AWM FT4, 300 V, 105°C. "C" Versions: Plum PUR jacket, UL ITC/PLTC, CSA CIC/CMX-Outdoor-CM, 300 V, 105°C, FT1.
Electrical Rating:	Standard Version: 100 V, 4 A per conductor (use as ITC is limited to 3 A for 22 AWG conductors).

Dimensions



TURCK

Process Wiring Products



multibox® eurofast® Nylon Junction Boxes w/Integral Home Run Cable

- Consolidation of 2-wire Analog or HART Control Circuits in Hazardous Locations or Unclassified Locations
- Blue Jacket Color May Be Used as Identification of Intrinsically Safe Circuits



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4-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout	Nickel Plated Brass	Stainless Steel
4-port glass-filled nylon junction box, eurofast port connectors, integral home-run cable	Home-run cable with 4/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 10.0 mm OD	<u>Port, Pin</u> Port 1, Pin 1 WH/BK Port 1, Pin 2 BK/WH Port 2, Pin 1 WH/GN Port 2, Pin 2 GN/WH Port 3, Pin 1 WH/RD Port 3, Pin 2 RD/WH Port 4, Pin 1 WH/OG Port 4, Pin 2 OG/WH Ports 1-4, Pin 3 Drain Ports 1-4, Pin 4 GN/YE	P-4MB12-4-978-*	P-4MBV12-4-978-*
			P-4MB12-4-978-*/C	P-4MBV12-4-978-*/C

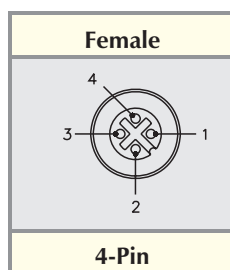
8-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout	Nickel Plated Brass	Stainless Steel
8-port glass-filled nylon junction box, eurofast port connectors, integral home-run cable	Home-run cable with 8/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 12.0 mm OD	<u>Port, Pin</u> Port 1, Pin 1 WH/BK Port 1, Pin 2 BK/WH Port 2, Pin 1 WH/GN Port 2, Pin 2 GN/WH Port 3, Pin 1 WH/RD Port 3, Pin 2 RD/WH Port 4, Pin 1 WH/OG Port 4, Pin 2 OG/WH Port 5, Pin 1 WH/BU Port 5, Pin 2 BU/WH Port 6, Pin 1 WH/BN Port 6, Pin 2 BN/WH Port 7, Pin 1 WH/YE Port 7, Pin 2 YE/WH Port 8, Pin 1 WH/VT Port 8, Pin 2 VT/WH Ports 1-8, Pin 3 Drain Ports 1-8, Pin 4 GN/YE	P-8MB12-4-977-*	P-8MBV12-4-977-*
			P-8MB12-4-977-*/C	P-8MBV12-4-977-*/C

* Length in meters.

† Each circuit has dedicated drain wire not connected in the junction box.

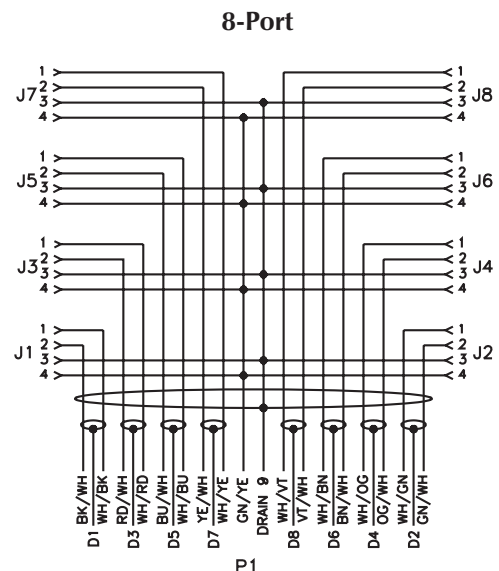
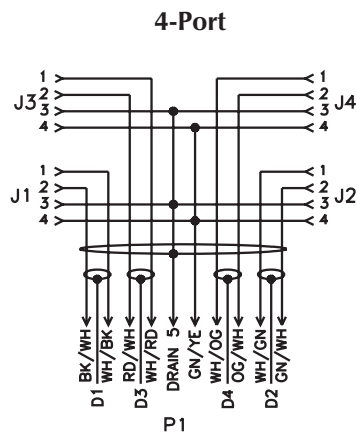
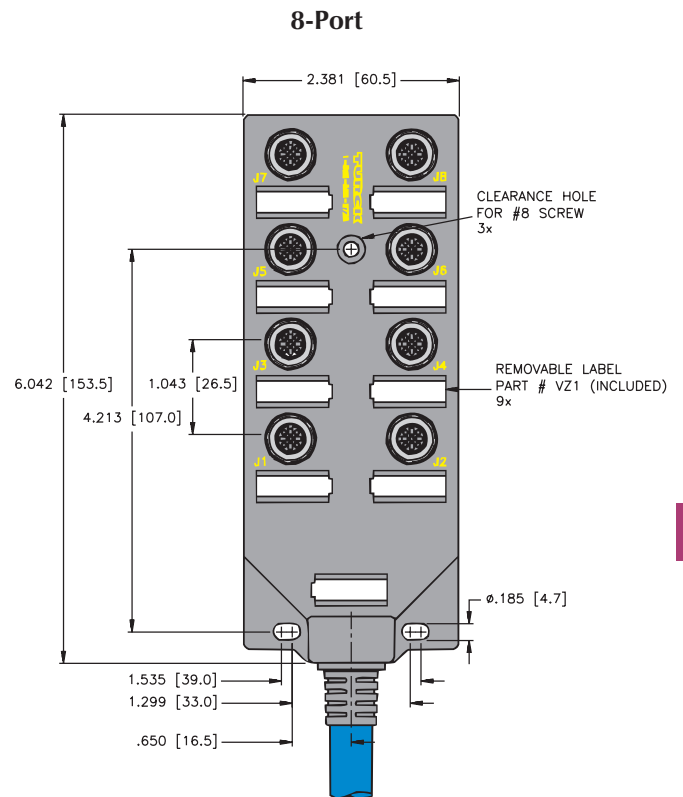
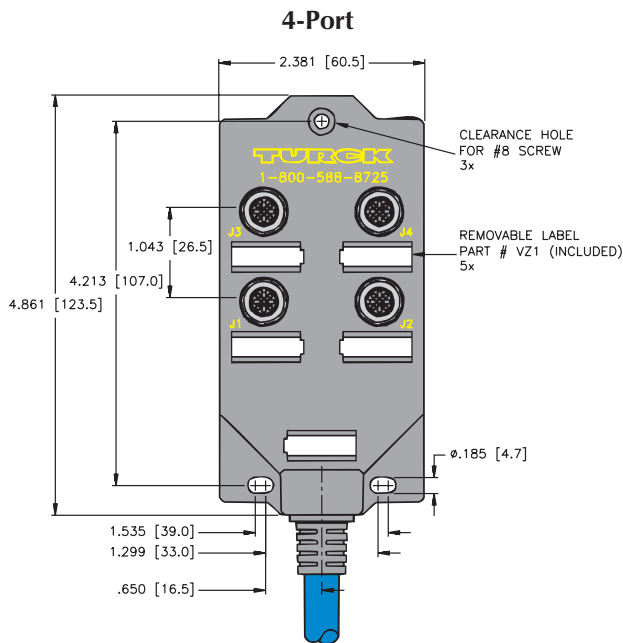
Pinouts



Specifications

Housing:	Glass filled nylon.
Connectors:	Nickel plated brass or 316 stainless steel housings (see table), Nylon contact carriers.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 68.
Cable:	Blue PVC jacket, UL UTC/PLTC/AWM, CSA CMX-Outdoor/CMG/AWM FT4, 300 V, 105°C.
Electrical Rating:	Standard Version: 100 V, 4 A per conductor (use as ITC is limited to 3 A for 22 AWG conductors). "/C" Versions: 30 V, 600 mA

Dimensions



TURCK

Process Wiring Products



multibox® eurofast® Metal Junction Boxes w/Integral Home Run Cable

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4-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout	Nickel Plated Brass	Stainless Steel
4-port cast aluminum junction box, eurofast port connectors, integral home-run cable	Home-run cable with 4/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 10.0 mm OD	Port, Pin Wire Color Port 1, Pin 1 WH/BK Port 1, Pin 2 BK/WH Port 2, Pin 1 WH/GN Port 2, Pin 2 GN/WH Port 3, Pin 1 WH/RD Port 3, Pin 2 RD/WH Port 4, Pin 1 WH/OG Port 4, Pin 2 OG/WH Ports 1-4, Pin 3 Drain Ports 1-4, Pin 4 GN/YE	P-VBM 40-960-*	P-VBMV 40-960-*
			P-VBM 40-415-*/C	P-VBMV 40-415-*/C

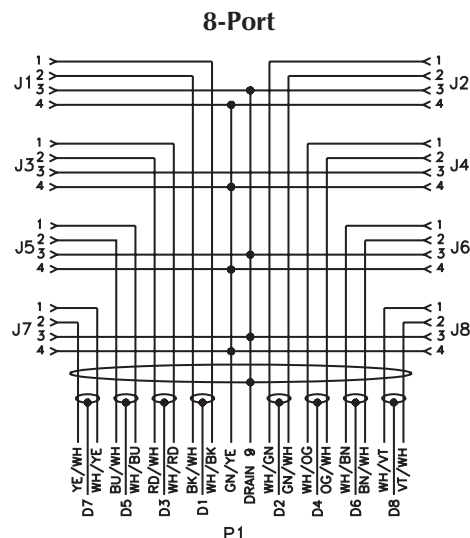
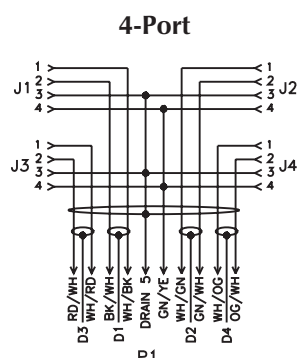
8-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout	Nickel Plated Brass	Stainless Steel
8-port cast aluminum junction box, eurofast port connectors, integral home-run cable	Home-run cable with 8/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 12.0 mm OD	Port, Pin Wire Color Port, Pin Wire Color Port 1, Pin 1 WH/BK Port 6, Pin 1 WH/BN Port 1, Pin 2 BK/WH Port 6, Pin 2 BN/WH Port 2, Pin 1 WH/GN Port 7, Pin 1 WH/YE Port 2, Pin 2 GN/WH Port 7, Pin 2 YE/WH Port 3, Pin 1 WH/RD Port 8, Pin 1 WH/VT Port 3, Pin 2 RD/WH Port 8, Pin 2 VT/WH Port 4, Pin 1 WH/OG Ports 1-8, Pin 3 Drain Port 4, Pin 2 OG/WH Ports 1-8, Pin 4 GN/YE Port 5, Pin 1 WH/BU Port 5, Pin 2 BU/WH	P-VBM 80-959-*	P-VBMV 80-959-*
			P-VBM 80-416-*/C	P-VBMV 80-416-*/C

* Length in meters.

** Use with **lokfast** LOCK-EURO-G or LOCK-EURO-FW for port connectors in Class I, Division 2 applications.

† Each circuit has an additional dedicated drain wire not connected in the junction box.



Housing:	Die-cast aluminum alloy.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 68.
Cable:	Standard Version: Plum PVC jacket, UL ITC/PLTC/AWM, CSA CMX-Outdoor/CMG/AWM FT4, 300 V, 105°C. "/C" Versions: Plum PUR jacket, UL ITC/PLTC, CSA CIC/CMX-Outdoor-CM, 300 V, 105°C, FT1.
Electrical Rating:	Standard Version: 250 V, 4 A per conductor (use as ITC is limited to 150 V, 3 A for 22 AWG conductors). "/C" Versions: 30 V, 600 mA

4-Port

.429 [10.9] REF.

2.520 [64.0]

1.417 [36.0]

.489 [12.4] REF.

1.000 [25.4]

2.768 [70.3]

3.858 [98.0]

3.386 [86.0]

1.102 [28.0] REF.

10-32 ENCLOSURE GROUND STUD

Multi-Bolt

Ø.261 [6.6] THRU SEE NOTE 1

8-Port

2.520 [64.0]

1.417 [36.0]

.494 [12.5] REF.

1.000 [25.4]

2.768 [70.3]

4.531 [115.1]

6.299 [160.0]

7.303 [185.5]

173.5 [6.83]

10-32 ENCLOSURE GROUND STUD

Multi-Bolt

Ø.277 [7.0] THRU SEE NOTE 1

Female

4-Pin

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Process Wiring Products



multibox® eurofast® Nylon Junction Boxes

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4-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
4-port glass-filled nylon junction box, eurofast port connectors, multifast ® home-run connector	12-pin multifast connector	Port, Pin	Home-Run	Port, Pin	Home-Run	P-4MB12-4-CS12	P-4MBV12-4-CSV12
		Port 1, Pin 1	1	Port 4, Pin 1	7		
		Port 1, Pin 2	2	Port 4, Pin 2	8		
		Port 2, Pin 1	3	NC	9		
		Port 2, Pin 2	4	NC	10		
		Port 3, Pin 1	5	Ports 1-4, Pin 3	11		
		Port 3, Pin 2	6	Ports 1-4, Pin 4	12		
						P-4MB12-4-CS12/C	P-4MBV12-4-CSV12/C

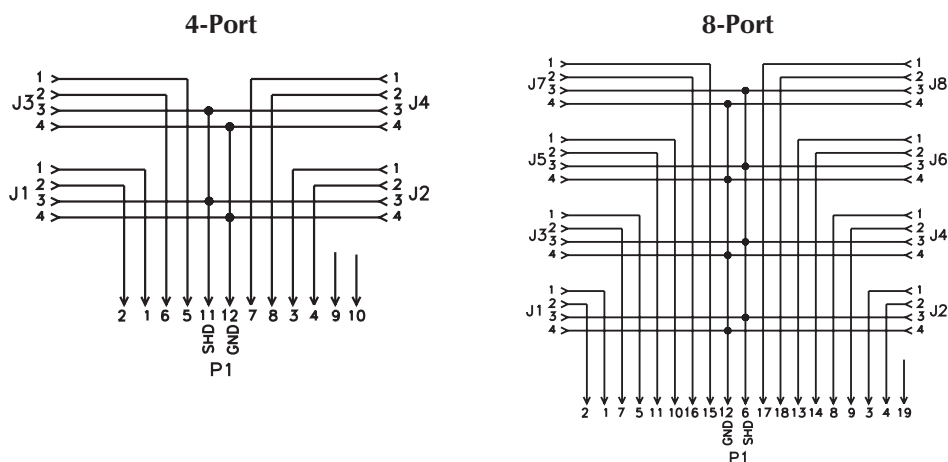
See pages K85 - K92 for mating home-run cordsets.

8-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
8-port glass-filled nylon junction box, eurofast port connectors, multifast home-run connector	19-pin multifast connector	Port, Pin	Home-Run	Port, Pin	Home-Run	P-8MB12-4-CS19	P-8MBV12-4-CSV19
		Port 1, Pin 1	1	Port 5, Pin 1	10		
		Port 1, Pin 2	2	Port 5, Pin 2	11		
		Port 2, Pin 1	3	Ports 1-8, Pin 4	12		
		Port 2, Pin 2	4	Port 6, Pin 1	13		
		Port 3, Pin 1	5	Port 6, Pin 2	14		
		Ports 1-8, Pin 3	6	Port 7, Pin 1	15		
		Port 3, Pin 2	7	Port 7, Pin 2	16		
		Port 4, Pin 1	8	Port 8, Pin 1	17		
		Port 4, Pin 2	9	Port 8, Pin 2	18		
				NC	19		
						P-8MB12-4-CS19/C	P-8MBV12-4-CSV19/C

See pages K85 - K92 for mating home-run cordsets.

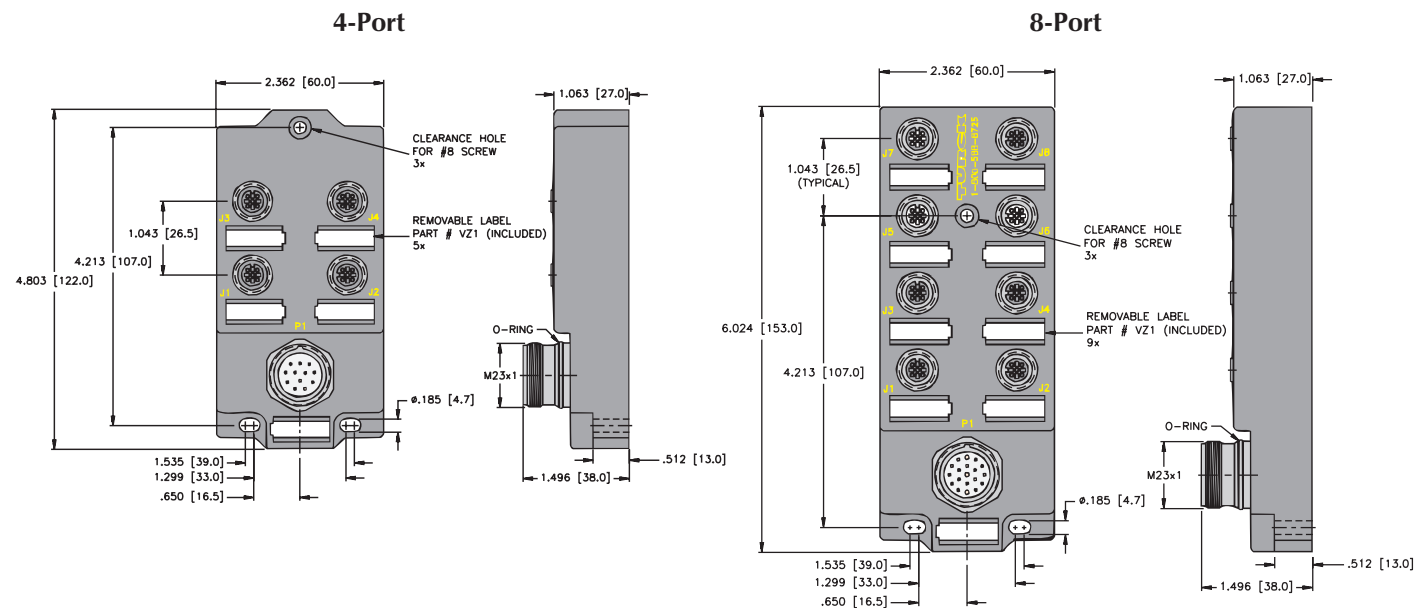
Wiring Diagrams



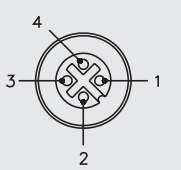
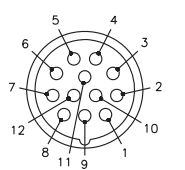
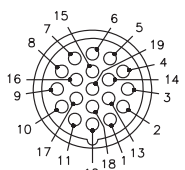
Specifications

Housing:	Glass filled nylon.
Connectors	Nickel plated brass or 316 stainless steel housings (see table). Nylon contact carriers.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 67.
Electrical Rating:	Standard Version: 100 V, 4 A per conductor. "I/C" Versions: 30 V, 600 mA

Dimensions



Pinouts

Female	Male	
		
4-Pin eurofast®	12-Pin multifast®	19-Pin multifast®

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Process Wiring Products



multibox® eurofast® Metal Junction Boxes

- Consolidation of 2-wire Analog or HART Control Circuits in Hazardous Locations or Unclassified Locations



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4-port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
4-port cast aluminum junction box, eurofast port connectors, multifast ® home-run connector, 1 analog signal per port	12-pin multifast connector	Pin, Port	Home-Run	Port, Pin	Home-Run	P-VBM 40-CS12	P-VBMV 40-CSV12
		Port 1, Pin 1	1	Port 4, Pin 1	7		
		Port 1, Pin 2	2	Port 4, Pin 2	8		
		Port 2, Pin 1	3	NC	9		
		Port 2, Pin 2	4	NC	10		
		Port 3, Pin 1	5	Ports 1-4, Pin 3	11		
		Port 3, Pin 2	6	Ports 1-4, Pin 4	12		
						P-VBM 40-CS12/C	P-VBMV 40-CSV12/C

See pages K85 - K92 for mating home-run cordsets.

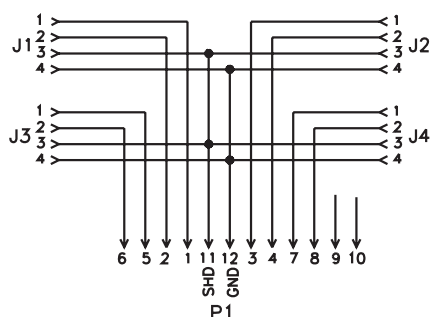
8-port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
8-port cast aluminum junction box, eurofast port connectors, multifast home-run connector, 1 analog signal per port	19-pin multifast connector	Port, Pin	Home-Run	Port, Pin	Home-Run	P-VBM 80-CS19	P-VBMV 80-CSV19
		Port 1, Pin 1	1	Port 5, Pin 1	10		
		Port 1, Pin 2	2	Port 5, Pin 2	11		
		Port 2, Pin 1	3	Ports 1-8, Pin 4	12		
		Port 2, Pin 2	4	Port 6, Pin 1	13		
		Port 3, Pin 1	5	Port 6, Pin 2	14		
		Ports 1-8, Pin 3	6	Port 7, Pin 1	15		
		Port 3, Pin 2	7	Port 7, Pin 2	16		
		Port 4, Pin 1	8	Port 8, Pin 1	17		
		Port 4, Pin 2	9	Port 8, Pin 2	18		
				NC	19		
						P-VBM 80-CS19/C	P-VBMV 80-CSV19/C

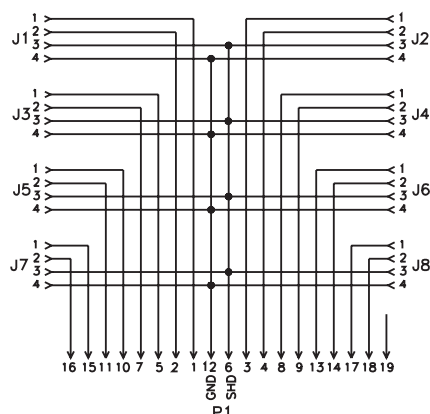
See pages K85 - K92 for mating home-run cordsets.

Wiring Diagrams

4-Port Diagram, 1 Analog Signal Per Port



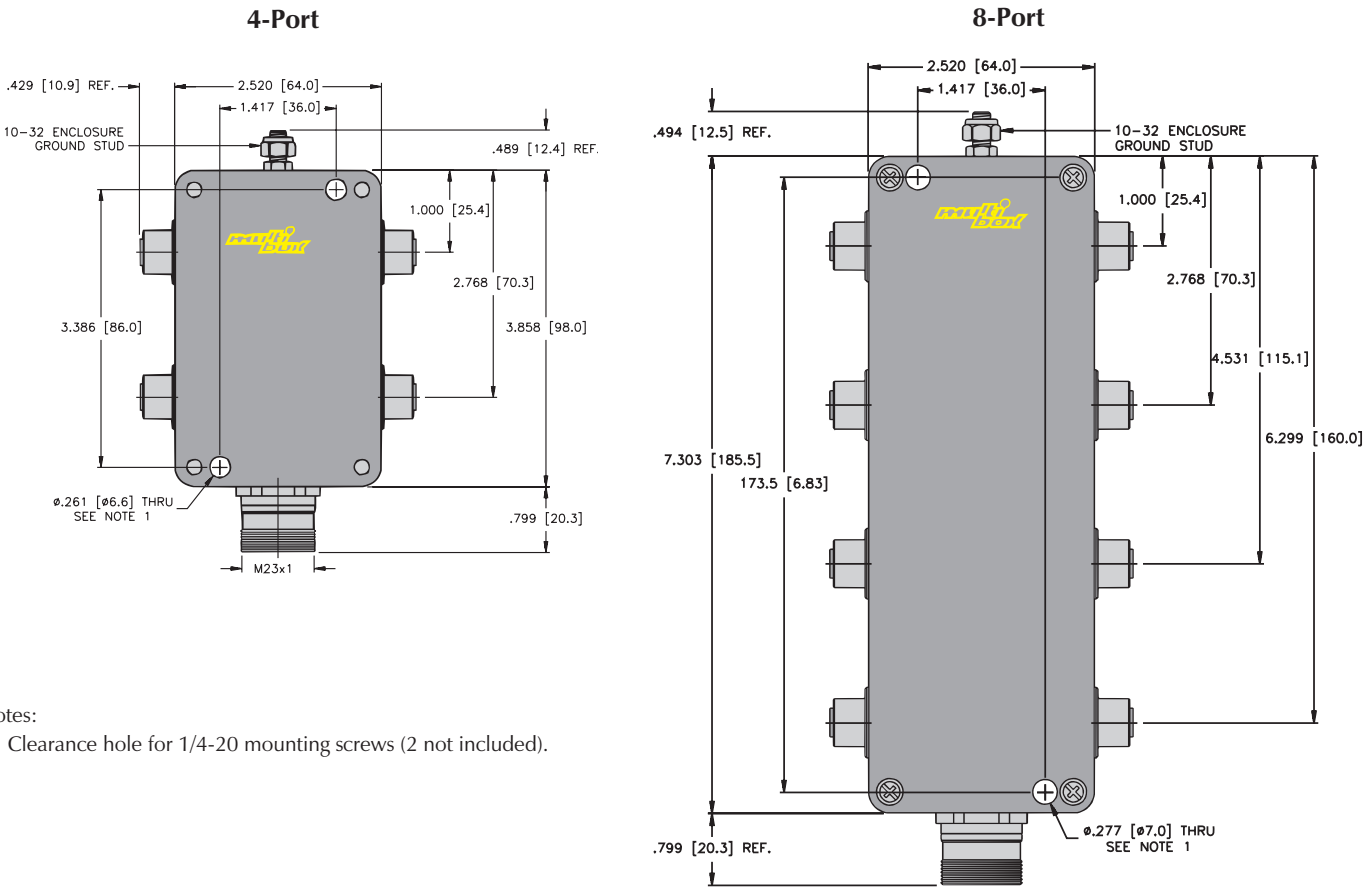
8-Port Diagram, 1 Analog Signal Per Port



Specifications

Housing:	Die-cast aluminum alloy.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 67.
Electrical Rating:	Standard Version: 12-pin: 250 V, 4 A per conductor. Standard Version: 12-pin: 250 V, 4 A per conductor. "I/C" Versions: 30 V, 600 mA

Dimensions



Notes:
1. Clearance hole for 1/4-20 mounting screws (2 not included).

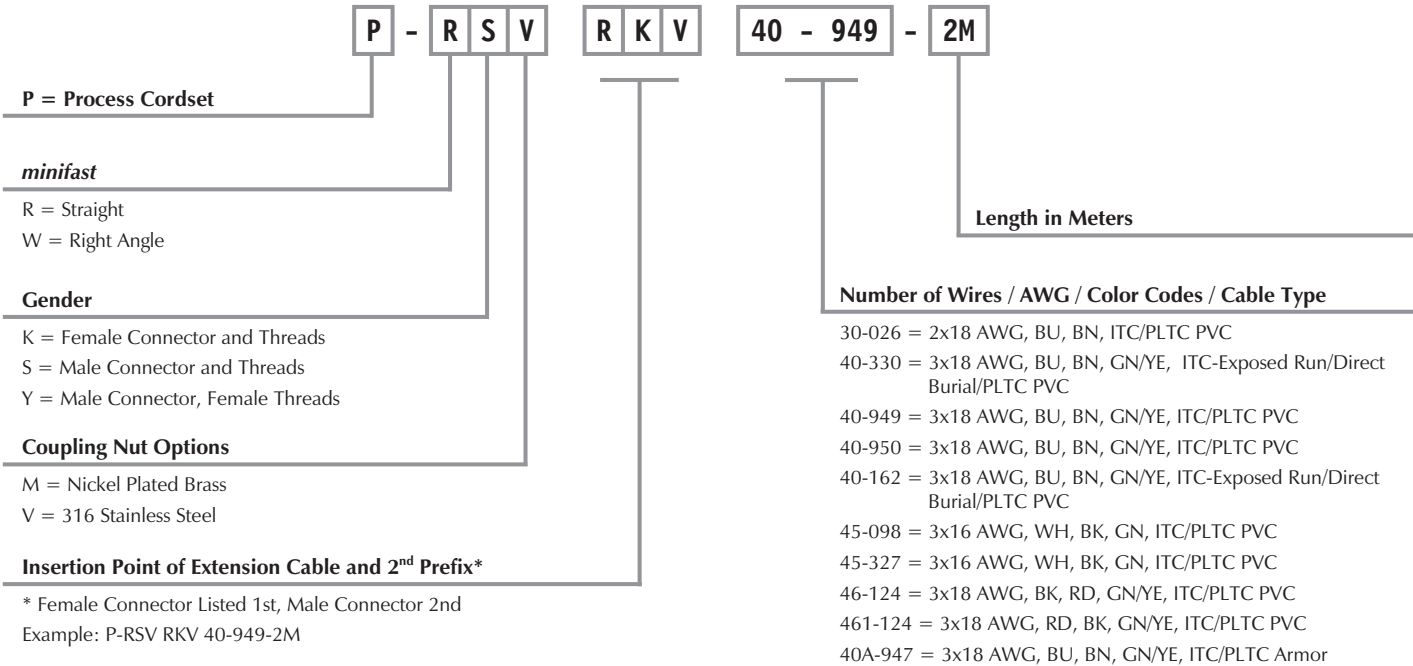
Pinouts

Female	Male	
4-Pin eurofast®	12-Pin multifastr®	19-Pin multifastr

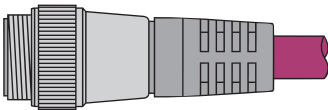
TURCK
Process Wiring Products

minifast® Cordset Part Number Key, 2-Wire Analog or HART Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

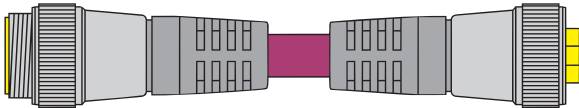


Single Ended Example:



RSV ..

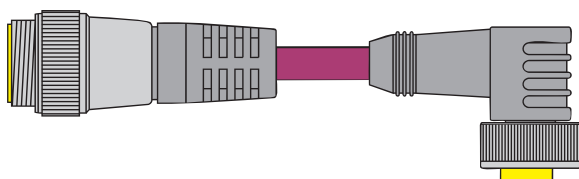
Extension Example:



RSV .. - RKV ..

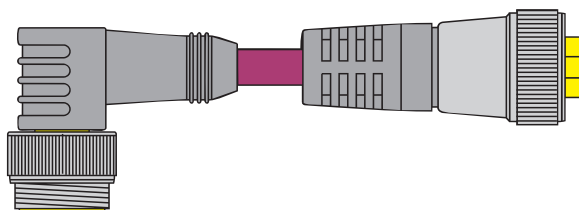
minifast® Cordset Extensions

Other Extension Examples:



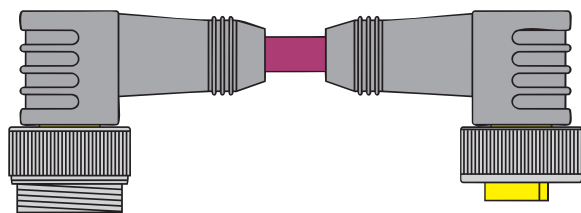
P - R S V W K V 40- 949 - 2M

RSV .. - WKV ..



P - W S V R K V 40- 949 - 2M

WSV .. - RKV ..



P - W S V W K V 40- 949 - 2M

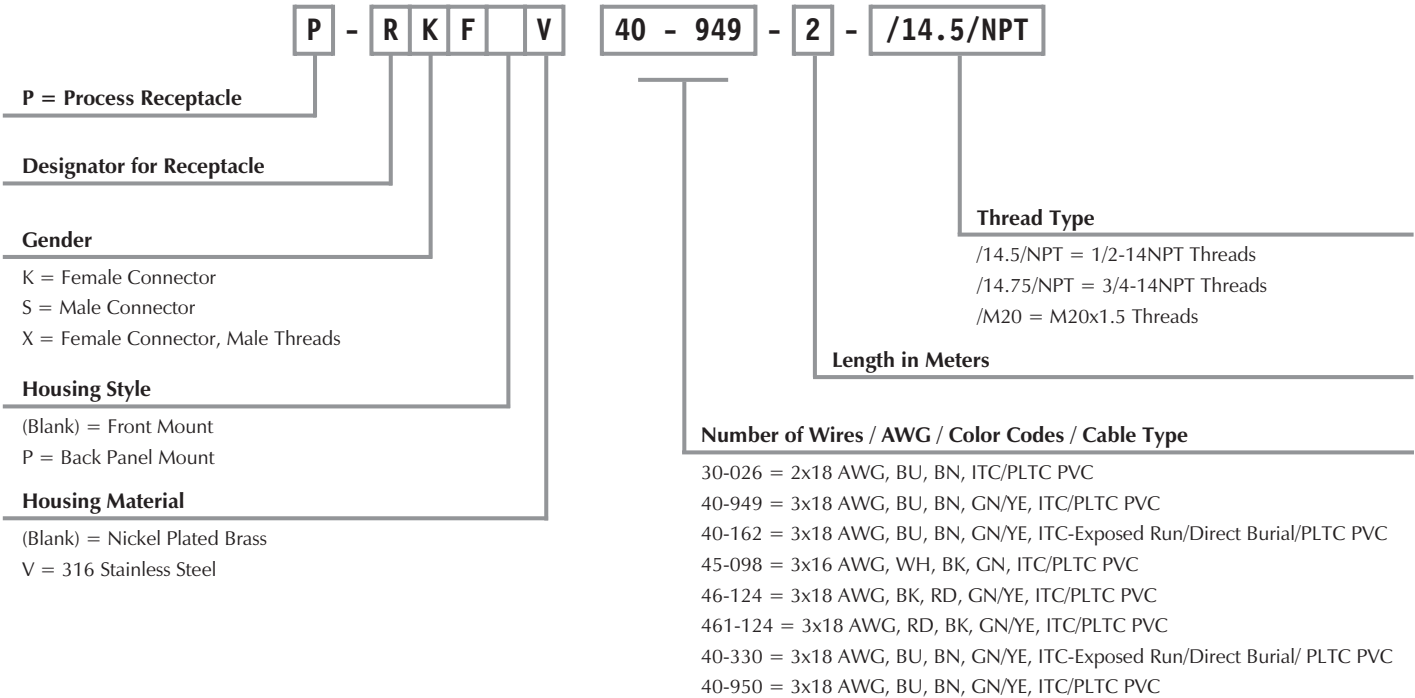
WSV .. - WKV ..

Note: Hybrid connector extensions also available. Consult factory.

TURCK
Process Wiring Products

minifast® Receptacle with Cable Part Number Key, 2-Wire Analog or HART Control Circuits

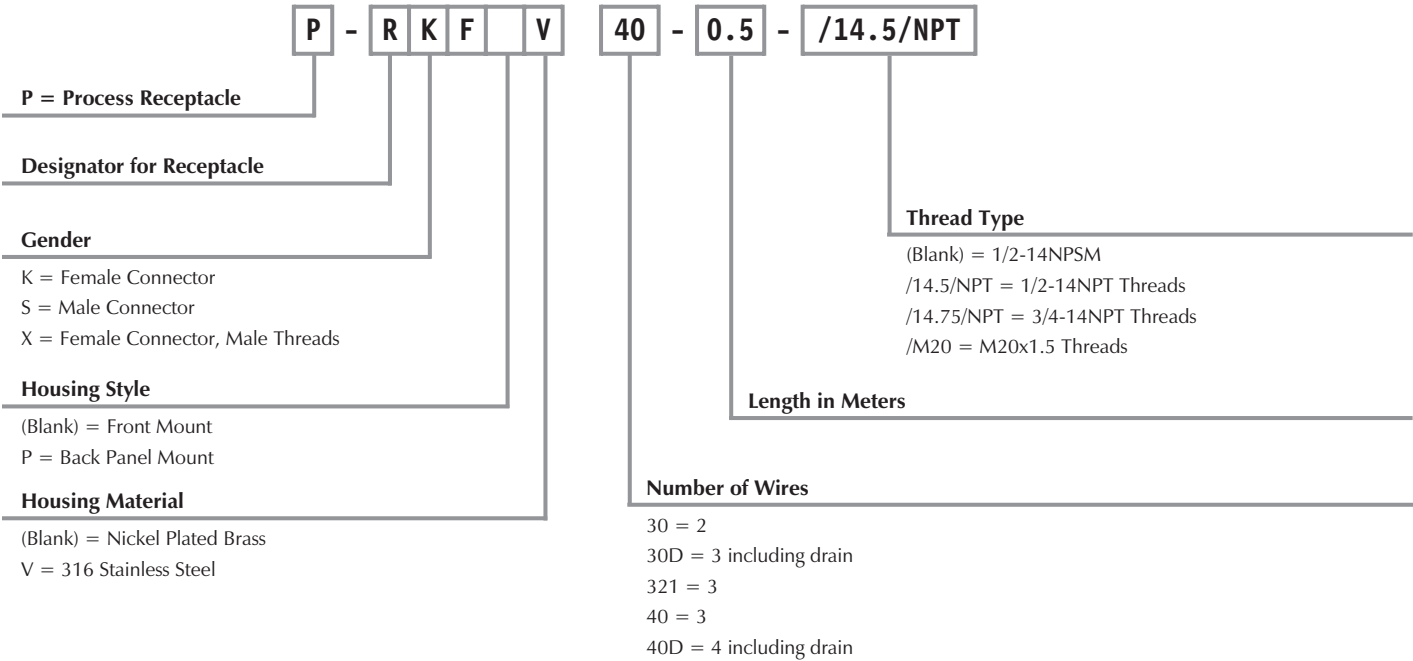
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.





minifast® Receptacle with Leads Part Number Key, 2-Wire Analog or HART Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



TURCK

Process Wiring Products

minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable sealing requirements of NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-RKM ..	P-RKM 30-026-*M	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. BU 2. BN 3. Drain
	P-RKM 40-949-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-RKM 40-162-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-RKM 45-098-*M	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M†		1. WH 2. BK 3. Drain 4. GN

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RKM.."; "P-RKV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-RKM.. 	P-RKM 40-950-*M	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M†	<i>Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.</i>	1. BU 2. BN 3. Drain 4. GN/YE
	P-RKM 40-330-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†		
	P-RKM 45-327-*M	ITC/PLTC PVC Blue 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51327-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH 2. BK 3. Drain 4. GN
	P-RKM 46-124-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-RKM 461-124-*M			1. RD 2. BK 3. Drain 4. GN/YE
P-RKM.. 	P-RKM 40A-947-*M	ITC/PLTC Armor Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 13.5 mm OD Cable #RF50947-*M†		1. BU 2. BN 3. Drain 4. GN/YE

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RKM.."; "P-RKV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast®** cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable sealing requirements of NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-WKM ..	P-WKM 30-026-*M	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain
	P-WKM 40-949-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-WKM 40-162-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-WKM 45-098-*M	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M [†]		1. WH 2. BK 3. Drain 4. GN

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WKM.."; "P-WKV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

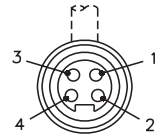
minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-WKM..	P-WKM 40-950-*M	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.	1. BU 2. BN 3. Drain 4. GN/YE
	P-WKM 40-330-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		
	P-WKM 45-327-*M	ITC/PLTC PVC Blue 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51327-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. WH 2. BK 3. Drain 4. GN
	P-WKM 46-124-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C		1. BK 2. RD 3. Drain 4. GN/YE
	P-WKM 461-124-*M	7.2 mm OD Cable #RF51124-*M [†]		1. RD 2. BK 3. Drain 4. GN/YE



* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-WKM.."; "P-WKV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
	P-RSM 30-026-*M	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain
	P-RSM 40-949-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-RSM 40-162-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		1. WH 2. BK 3. Drain 4. GN
	P-RSM 45-098-*M	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M†		1. WH 2. BK 3. Drain 4. GN

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RSM.."; "P-RSV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-RSM..	P-RSM 40-330-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†	<i>Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.</i>	1. BU 2. BN 3. Drain 4. GN/YE
	P-RSM 40-950-*M	ITC/PLTC PVC Blue 3x18 AWG 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M†		
	P-RSM 45-327-*M	ITC/PLTC PVC Blue 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51327-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	
	P-RSM 46-124-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		
	P-RSM 461-124-*M			
P-RSM..	P-RSM 40A-947-*M	ITC/PLTC Armor Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 13.5 mm OD Cable #RF50947-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. BU 2. BN 3. Drain 4. GN/YE

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RSM.."; "P-RSV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-WSM ..	P-WSM 30-026-*M	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BN 2. BU 3. Drain
	P-WSM 40-949-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-WSM 40-162-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-WSM 45-098-*M	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M†		1. WH 2. BK 3. Drain 4. GN

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WSM.."; "P-WSV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

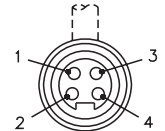
minifast® Drop Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinout
P-WSM..	P-WSM 40-330-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†	<i>Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.</i>	1. BU 2. BN 3. Drain 4. GN/YE
	P-WSM 40-950-*M	ITC/PLTC PVC Blue 3x18 AWG 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M†		
	P-WSM 45-327-*M	ITC/PLTC PVC Blue 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51327-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH 2. BK 3. Drain 4. GN
	P-WSM 46-124-*M	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C		1. BK 2. RD 3. Drain 4. GN/YE
	P-WSM 461-124-*M	7.2 mm OD Cable #RF51124-*M†		1. RD 2. BK 3. Drain 4. GN/YE



* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WSM.."; "P-WSV.." indicates 316 stainless steel.

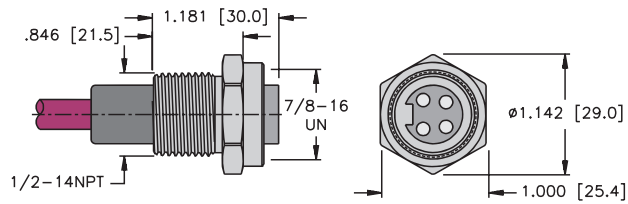
† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

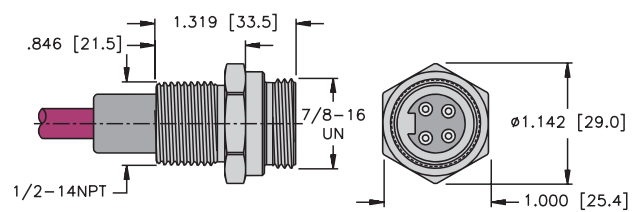
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P-RKF .. 14.5/NPT

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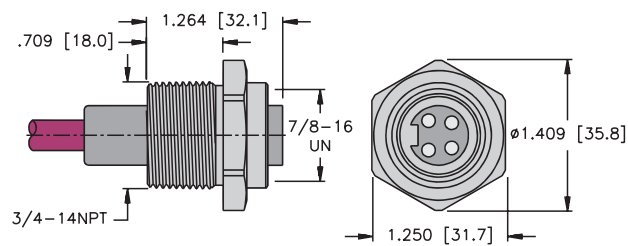
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P-RSF .. 14.5/NPT

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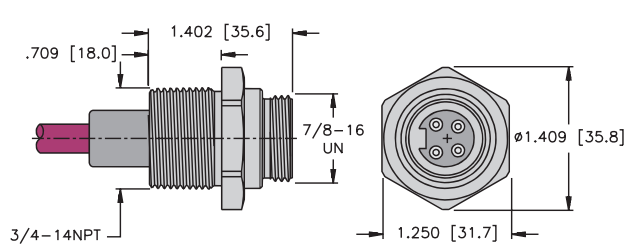
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P-RKF .. 14.75/NPT

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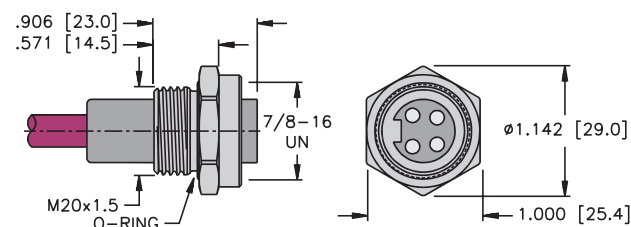
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P-RSF .. 14.75/NPT

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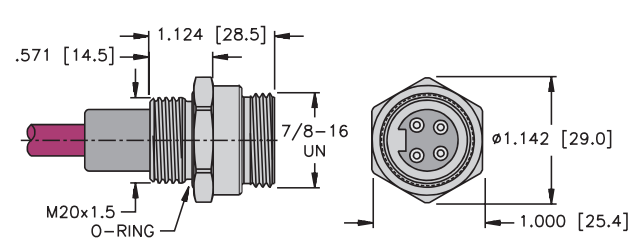
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P-RKF .. M20

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6



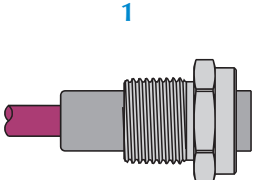
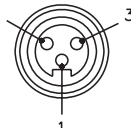
P-RSF .. M20

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minifast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RKF 30-026-*/14.5/NPT	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain 
	P-RKF 40-949-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-162-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		1. WH 2. BK 3. Drain 4. GN
	P-RKF 45-098-*/14.5/NPT	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M [†]		1. BK 2. RD 3. Drain 4. GN/YE
	P-RKF 46-124-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M [†]		1. RD 2. BK 3. Drain 4. GN/YE
	P-RKF 461-124-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-950-*/14.5/NPT	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-330-*/14.5/NPT	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M [†]		

See page K55 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RSF 30-026-*/14.5/NPT	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain
	P-RSF 40-949-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-RSF 40-162-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		1. WH 2. BK 3. Drain 4. GN
	P-RSF 45-098-*/14.5/NPT	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M [†]		1. BK 2. RD 3. Drain 4. GN/YE
	P-RSF 46-124-*/14.5/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M [†]		1. RD 2. BK 3. Drain 4. GN/YE
	P-RSF 40-330-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RSF 40-950-*/14.5/NPT	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE

See page K55 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

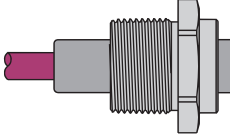
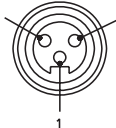
[†] See pages K236 - K244 for reelfast® cable information.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
 	P-RKF 30-026-*/14.75/NPT	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain 
	P-RKF 40-949-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-162-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M†		1. WH 2. BK 3. Drain 4. GN
	P-RKF 45-098-*/14.75/NPT	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-RKF 46-124-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M†		1. RD 2. BK 3. Drain 4. GN/YE
	P-RKF 40-330-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M†	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 3/4-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-950-*/14.75/NPT	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M†		1. BU 2. BN 3. Drain 4. GN/YE

See page K55 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

† See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RSF 30-026-*/14.75/NPT	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain
	P-RSF 40-949-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-RSF 40-162-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		1. WH 2. BK 3. Drain 4. GN
	P-RSF 45-098-*/14.75/NPT	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M [†]		1. BK 2. RD 3. Drain 4. GN/YE
	P-RSF 46-124-*/14.75/NPT	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M [†]		1. RD 2. BK 3. Drain 4. GN/YE
	P-RSF 40-330-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. 3/4-14NPT Conduit Entry Thread.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RSF 40-950-*/14.75/NPT	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE

See page K55 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

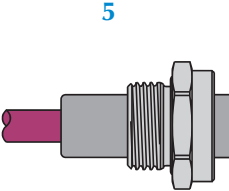
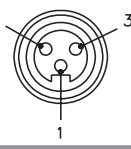
[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RKF 30-026-*/M20	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*/M†	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.	1. BU 2. BN 3. Drain 
	P-RKF 40-949-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*/M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-162-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*/M†		1. WH 2. BK 3. Drain 4. GN
	P-RKF 45-098-*/M20	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*/M†		1. BK 2. RD 3. Drain 4. GN/YE
	P-RKF 46-124-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*/M†		1. RD 2. BK 3. Drain 4. GN/YE
	P-RKF 461-124-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*/M†		1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-330-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*/M†	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. M20 Conduit Entry Thread.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RKF 40-950-*/M20	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*/M†		1. BU 2. BN 3. Drain 4. GN/YE

See page K55 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

† See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RSF 30-026-*/M20	ITC/PLTC PVC Plum 2x18 AWG, 1 STP Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51026-*M [†]	Analog or HART control circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.	1. BU 2. BN 3. Drain
	P-RSF 40-949-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50949-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-RSF 40-162-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51162-*M [†]		1. WH 2. BK 3. Drain 4. GN
	P-RSF 45-098-*/M20	ITC/PLTC PVC Plum 3x16 AWG, 1 STP with GND Foil/Drain (18) 105°C 7.6 mm OD Cable #RF51098-*M [†]		1. BK 2. RD 3. Drain 4. GN/YE
	P-RSF 46-124-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M [†]		1. RD 2. BK 3. Drain 4. GN/YE
	P-RSF 461-124-*/M20	ITC/PLTC PVC Plum 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51124-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE
	P-RSF 40-330-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF51330-*M [†]	Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations. M20 Conduit Entry Thread.	1. BU 2. BN 3. Drain 4. GN/YE
	P-RSF 40-950-*/M20	ITC/PLTC PVC Blue 3x18 AWG, 1 STP with GND Foil/Drain (20) 105°C 7.2 mm OD Cable #RF50950-*M [†]		1. BU 2. BN 3. Drain 4. GN/YE

See page K55 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

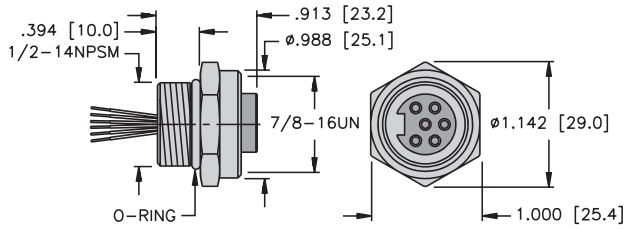
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.



Notes:

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

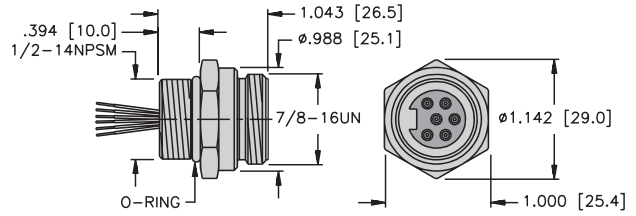
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P-RKF ..

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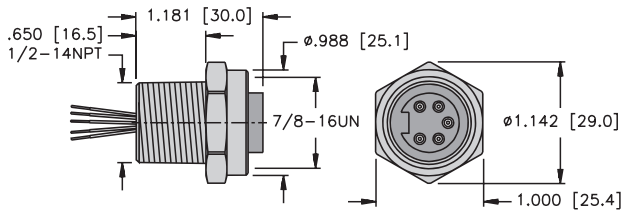
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P-RSF ..

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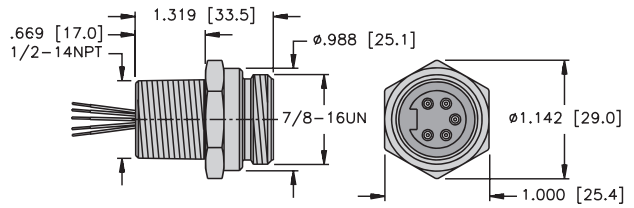
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P-RKF .. 14.5/NPT

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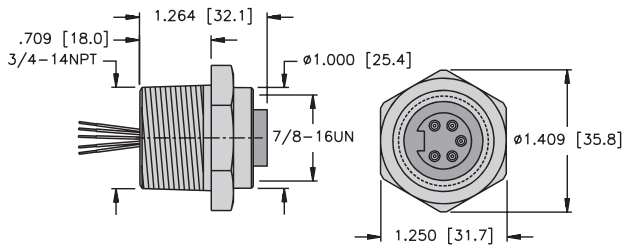
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P-RSF .. 14.5/NPT

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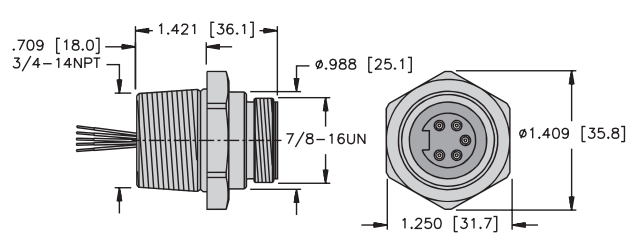
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P-RKF .. 14.75/NPT

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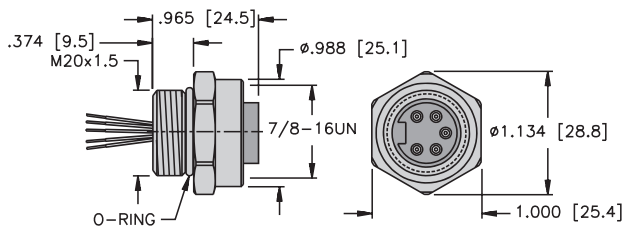
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P-RSF .. 14.75/NPT

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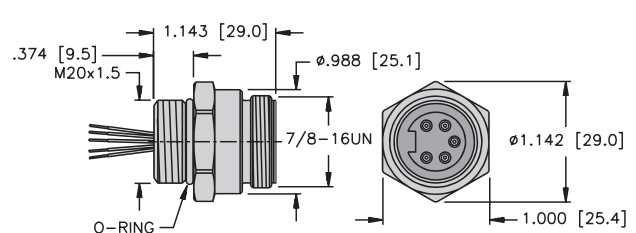
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P-RKF .. M20

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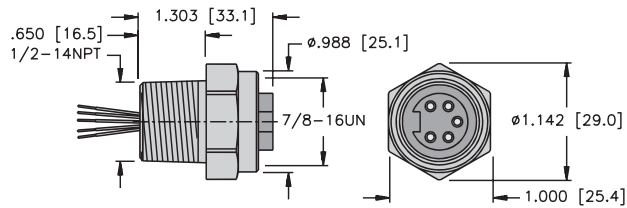


P-RSF .. M20

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minifast® Explosionproof Receptacles with Leads, 2-Wire Analog or HART Control Circuits

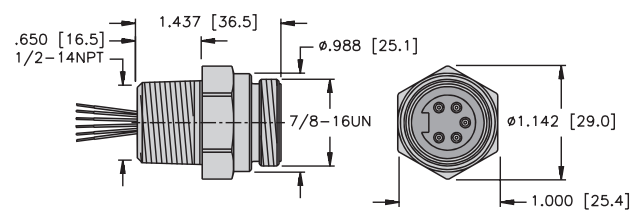
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P-RKFV .. EX-*/14.5/NPT

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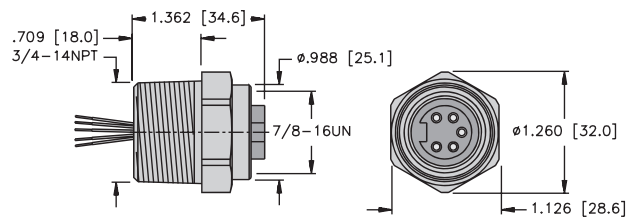
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P-RSFV .. EX-*/14.5/NPT

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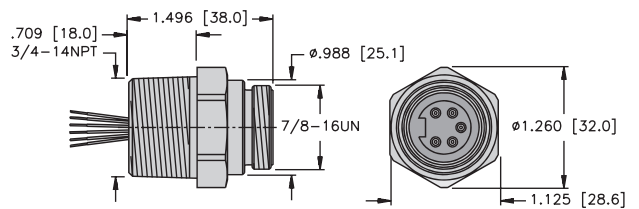
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P-RKFV .. EX-*/14.75/NPT

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12



P-RSFV .. EX-*/14.75/NPT

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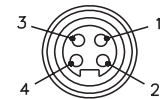
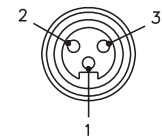
Process Wiring Products

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKF 30-*	UL, CSA 2x18 AWG 105°C 600 V, 9A	1/2-14NPSM	1. BU 2. BN 3. N/C
	P-RKF 30D-*	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPSM Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RKF 321-*		1/2-14NPSM Threads	1. GN/YE 2. BN 3. BU
	P-RKF 40-*	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPSM Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RKF 40D-*	UL, CSA 4x18 AWG 105°C 600 V, 9A	1/2-14NPSM Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE



See page K63 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSF 30-*	UL, CSA 2x18 AWG 105°C 600 V, 9A	1/2-14NPSM	1. BU 2. BN 3. N/C
	P-RSF 30D-*	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPSM Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RSF 321-*		1/2-14NPSM Threads	1. GN/YE 2. BN 3. BU
	P-RSF 40-*	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPSM Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RSF 40D-*	UL, CSA 4x18 AWG 105°C 600 V, 9A	1/2-14NPSM Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K63 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

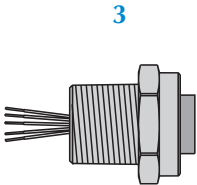
TURCK

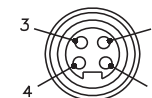
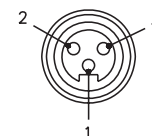
Process Wiring Products

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKF 30-*/14.5/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads	1. BU 2. BN 3. N/C
	P-RKF 30D-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RKF 321-*/14.5/NPT		1/2-14NPT Threads	1. GN/YE 2. BN 3. BU
	P-RKF 40-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RKF 40D-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE



See page K63 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSF 30-*/14.5/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads	1. BU 2. BN 3. N/C
	P-RSF 30D-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RSF 321-*/14.5/NPT		1/2-14NPT Threads	1. GN/YE 2. BN 3. BU
	P-RSF 40-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RSF 40D-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K63 for dimensional drawings.

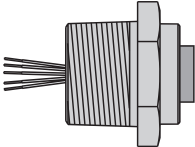
- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

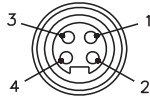
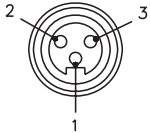
TURCK
Process Wiring Products

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKF 30-*/14.75/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads	1. BU 2. BN 3. N/C
	P-RKF 30D-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RKF 321-*/14.75/NPT		3/4-14NPT Threads	1. GN/YE 2. BN 3. BU
	P-RKF 40-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RKF 40D-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE



See page K63 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSF 30-*/14.75/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads	1. BU 2. BN 3. N/C
	P-RSF 30D-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RSF 321-*/14.75/NPT		3/4-14NPT Threads	1. GN/YE 2. BN 3. BU
	P-RSF 40-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RSF 40D-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K63 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

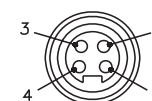
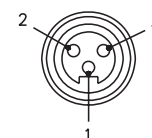
Process Wiring Products

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKF 30-*/M20	UL, CSA 2x18 AWG 105°C 600 V, 9A	M20 Threads	1. BU 2. BN 3. N/C
	P-RKF 30D-*/M20	UL, CSA 3x18 AWG 105°C 600 V, 9A	M20 Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RKF 321-*/M20		M20 Threads	1. GN/YE 2. BN 3. BU
	P-RKF 40-*/M20	UL, CSA 3x18 AWG 105°C 600 V, 9A	M20 Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RKF 40D-*/M20	UL, CSA 4x18 AWG 105°C 600 V, 9A	M20 Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE



See page K63 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSF 30-*/M20	UL, CSA 2x18 AWG 105°C 600 V, 9A	M20 Threads	1. BU 2. BN 3. N/C
	P-RSF 30D-*/M20	UL, CSA 3x18 AWG 105°C 600 V, 9A	M20 Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RSF 321-*/M20		M20 Threads	1. GN/YE 2. BN 3. BU
	P-RSF 40-*/M20	UL, CSA 3x18 AWG 105°C 600 V, 9A	M20 Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RSF 40D-*/M20	UL, CSA 4x18 AWG 105°C 600 V, 9A	M20 Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K63 for dimensional drawings.

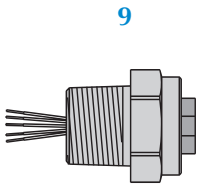
- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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minifast® Explosionproof Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKFV 30 EX-*/14.5/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. N/C
	P-RKFV 30D EX-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RKFV 40 EX-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RKFV 40D EX-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K64 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Explosionproof Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
10	P-RSFV 30 EX-*/14.5/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. N/C
	P-RSFV 30D EX-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RSFV 40 EX-*/14.5/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RSFV 40D EX-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K64 for dimensional drawings.

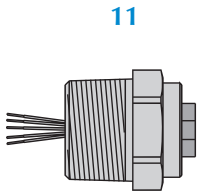
* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Explosionproof Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKFV 30 EX-*/14.75/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. N/C
	P-RKFV 30D EX-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RKFV 40 EX-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RKFV 40D EX-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K64 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.
Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Explosionproof Receptacles with Leads, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
12	P-RSFV 30 EX-*/14.75/NPT	UL, CSA 2x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. N/C
	P-RSFV 30D EX-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY
	P-RSFV 40 EX-*/14.75/NPT	UL, CSA 3x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. N/C 4. GN/YE
	P-RSFV 40D EX-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GY 4. GN/YE

See page K64 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products



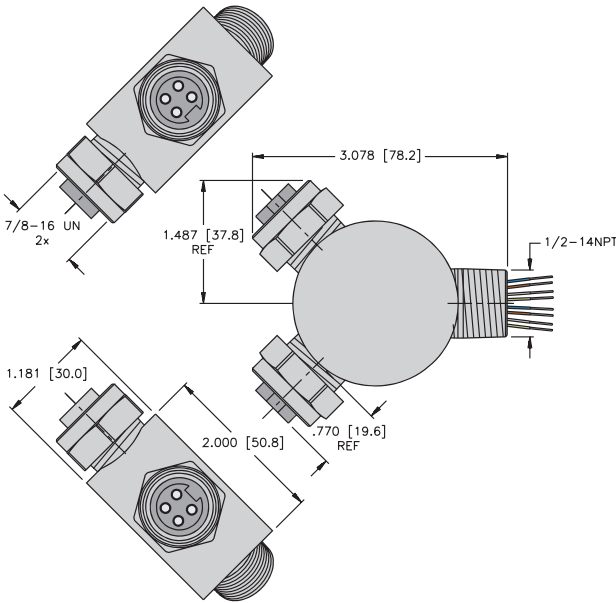
minifast® "Y" Fittings, 2-Wire Analog or HART Control Circuits

- 600 V
- 9 A Per Conductor
- Installs in Standard Conduit Entries
- Stainless Steel Housing

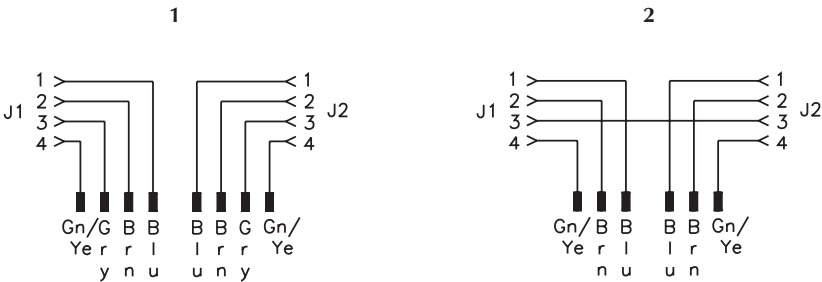
Specifications	Wiring Dia.	Housing Material	1/2-14NPT				3/4-14NPT	
			J1	J2	P1	P2	P1	J2
			Female	Female	Male	Male	Male	Female
4/18 AWG leads per connector	1	SS	P-2RKfV-40EX-*/14.5/NPT		P-2RSfV-40EX-*/14.5/NPT		P-RSfV RKfV-40EX-*/14.5/NPT	P-2RKfV-40EX-*/14.75/NPT
3/18 AWG leads per connector	2	SS	P-2RKfV-40BEX-*/14.5/NPT		P-2RSfV-40BEX-*/14.5/NPT		P-RSfV RKfV-40BEX-*/14.5/NPT	P-2RKfV-40BEX-*/14.75/NPT

* Length in meters.
SS = Stainless steel

Dimensions



Wiring Diagrams

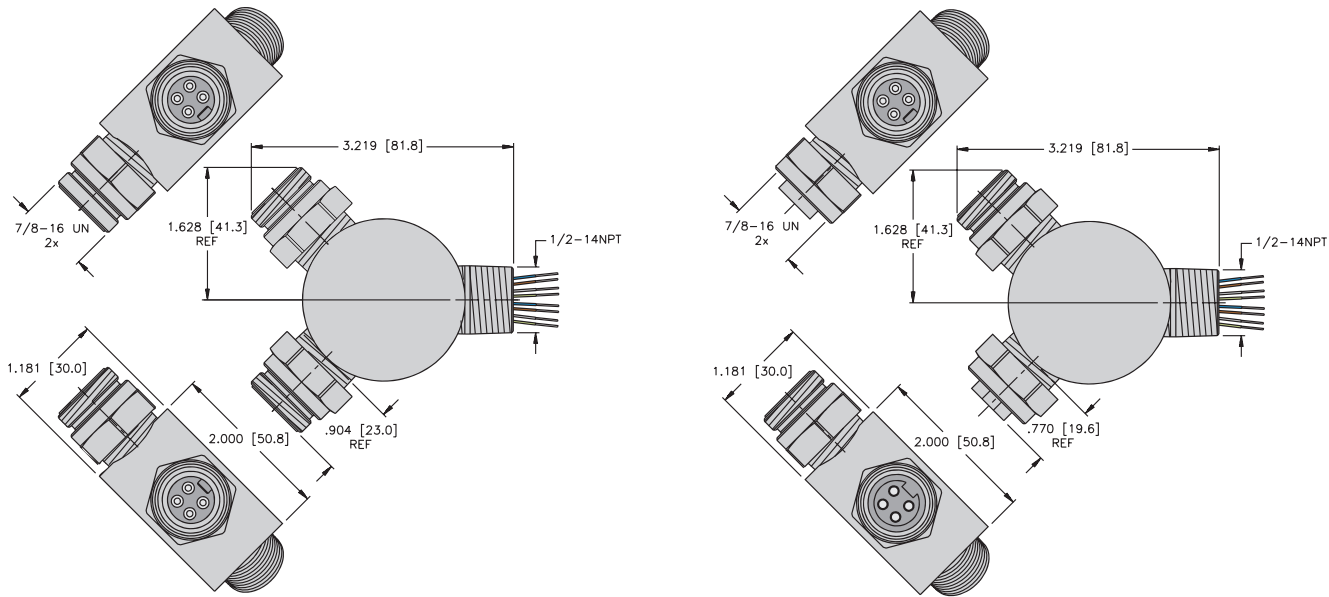


Specifications

- Housing:** 316 stainless steel (SS), passivated.
Contact Carrier: PUR black.
Electrical Ratings: 600 V, 9 A per conductor.
Temperature: -30° to +105°C (-22° to +221°F).
Contacts: Gold plated brass.
Protection: IP 67 (only when all receptacles are mated or covered with plugs).
Leads: High flex stranding, PVC, insulated, 600 V, UL recognized, CSA certified.

3/4-14NPT				M20x1.5					
P1	P2	P1	J2	J1	J2	P1	P2	P1	J2
Male	Male	Male	Female	Female	Female	Male	Male	Male	Female
P-2RSFV-40EX-*/14.75/NPT		P-RSFV RKFV-40EX-*/14.75/NPT		P-2RKfV-40EX-*/M20		P-2RSFV-40EX-*/M20		P-RSFV RKFV-40EX-*/M20	
P-2RSFV-40BEX-*/14.75/NPT		P-RSFV RKFV-40BEX-*/14.75/NPT		P-2RKfV-40BEX-*/M20		P-2RSFV-40BEX-*/M20		P-RSFV RKFV-40BEX-*/M20	

Dimensions



Pinouts

Female	Male
4-Pin	4-Pin

TURCK

Process Wiring Products



multibox® minifast® Metal Junction Boxes w/Integral Home Run Cable

- Consolidation of 2-wire Analog or HART Control Circuits in Hazardous Locations** or Unclassified Locations



FM approved for installation in hazardous locations when installed per **TURCK** Control Drawing QCF-00147 (www.turck.com/fmcd) using specified accessory equipment.
 "/C" versions CSA certified for installation in hazardous locations when installed per **TURCK** Control Drawing Ni-2.404(www.turck.com/fmcd) using certified accessory equipment.

4-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
4-port cast aluminum junction box, minifast port connectors, integral home-run cable	Home-run cable with 4/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 10.0 mm OD	<u>Port, Pin</u>	<u>Wire Color</u>	<u>Port, Pin</u>	<u>Wire Color</u>	P-4 RKF 40-960-*	P-4 RKFV 40-960-*
		Port 1, Pin 1	WH/BK	Port 3, Pin 2	RD/WH	P-4 RKF 40-415-*/C	P-4 RKFV 40-415-*/C
		Port 1, Pin 2	BK/WH	Port 4, Pin 1	WH/OG		
		Port 2, Pin 1	WH/GN	Port 4, Pin 2	OG/WH		
		Port 2, Pin 2	GN/WH	Ports 1-4, Pin 3	Drain		
		Port 3, Pin 1	WH/RD	Ports 1-4, Pin 4	GN/YE		

8-port, 1 Analog Signal Per Port, Common Ground and Shield

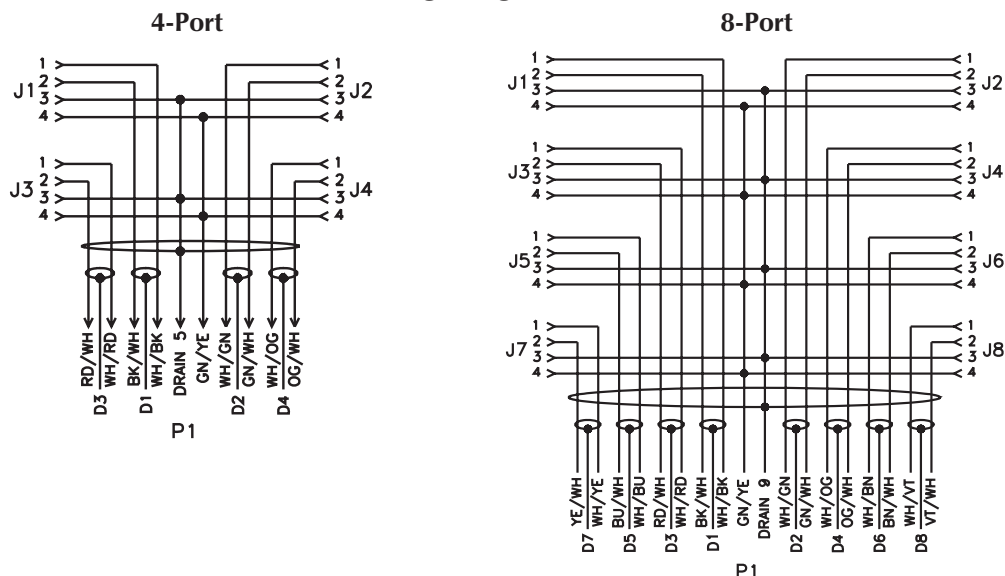
Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
8-port cast aluminum junction box, minifast port connectors, integral home-run cable	Home-run cable with 8/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 12.0 mm OD	<u>Port, Pin</u>	<u>Wire Color</u>	<u>Port, Pin</u>	<u>Wire Color</u>	P-8 RKF 40-959-*	P-8 RKFV 40-959-*
		Port 1, Pin 1	WH/BK	Port 5, Pin 2	BU/WH	P-8 RKF 40-416-*/C	P-8 RKFV 40-416-*/C
		Port 1, Pin 2	BK/WH	Port 6, Pin 1	WH/BN		
		Port 2, Pin 1	WH/GN	Port 6, Pin 2	BN/WH		
		Port 2, Pin 2	GN/WH	Port 7, Pin 1	WH/YE		
		Port 3, Pin 1	WH/RD	Port 7, Pin 2	YE/WH		
		Port 3, Pin 2	RD/WH	Port 8, Pin 1	WH/VT		
		Port 4, Pin 1	WH/OG	Port 8, Pin 2	VT/WH		
		Port 4, Pin 2	OG/WH	Ports 1-8, Pin 3	Drain		
		Port 5, Pin 1	WH/BU	Ports 1-8, Pin 4	GN/YE		

* Length in meters.

** Use with **lokfast** LOCK-MINI or LOCK-MINI-FW for port connectors in Class I, Division 2 applications and for mating home run cable use "L" and "T" versions.

† Each circuit has dedicated drain wire not connected in the junction box.

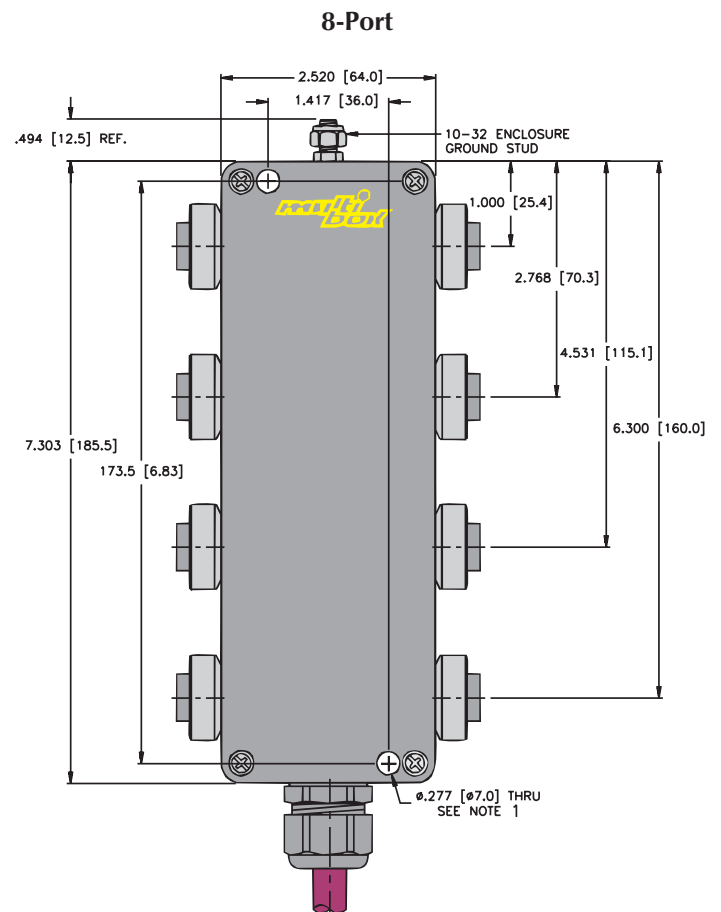
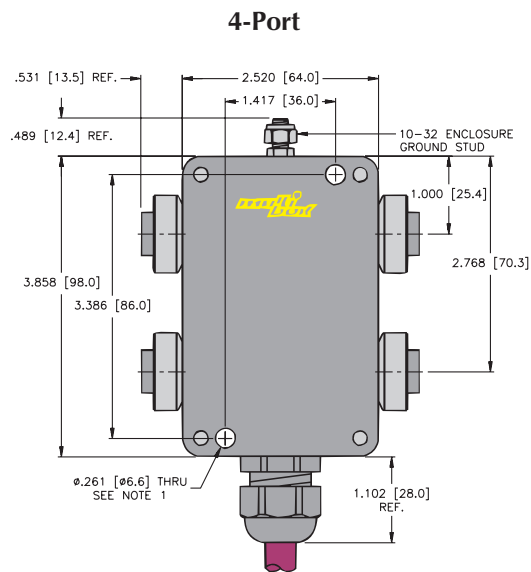
Wiring Diagrams



Specifications

Housing:	Die-cast aluminum alloy.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Cable:	Standard Version: Plum PVC jacket, UL ITC/PLTC/AWM, CSA CMX-Outdoor/CMG/AWM FT4, 300 V, 105°C. "C" Versions: Plum PUR jacket, UL ITC/PLTC, CSA CIC/CMX-Outdoor-CM, 300 V, 105°C, FT1.
Protection:	IP 67.
Electrical Rating:	Standard Version: 300 V, 4 A per conductor (use as ITC is limited to 150 V, 3 A for 22 AWG conductors). "C" Versions: 30 V, 600 mA

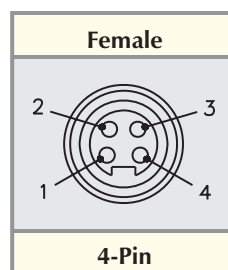
Dimensions



Notes:

1. Clearance hole for 1/4-20 mounting screws (2 not included).

Pinouts



TURCK

Process Wiring Products



multibox® minifast® Metal Junction Boxes w/Integral Home Run Cable

- Consolidation of 2-wire Analog or HART Control Circuits in Hazardous Locations or Unclassified Locations
- Blue Jacket Color may be used as Identification of Intrinsically Safe Circuits.



FM approved for installation in hazardous locations when installed per **TURCK** Control Drawing QCF-00147 (www.turck.com/fmcd) using specified accessory equipment.
 "/C" versions CSA certified for installation in hazardous locations when installed per **TURCK** Control Drawing Ni-2.404(www.turck.com/fmcd) using certified accessory equipment.

4-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
4-port cast aluminum junction box, minifast port connectors, integral home-run cable	Home-run cable with 4/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 12.0 mm OD	<u>Port, Pin</u>	<u>Wire Color</u>	<u>Port, Pin</u>	<u>Wire Color</u>	P-4 RKF 40-978-*	P-4 RKFV 40-978-*
		Port 1, Pin 1	WH/BK	Port 3, Pin 2	RD/WH		
		Port 1, Pin 2	BK/WH	Port 4, Pin 1	WH/OG		
		Port 2, Pin 1	WH/GN	Port 4, Pin 2	OG/WH		
		Port 2, Pin 2	GN/WH	Ports 1-4, Pin 3	Drain	P-4 RKF 40-978-*/C	P-4 RKFV 40-978-*/C
		Port 3, Pin 1	WH/RD	Ports 1-4, Pin 4	GN/YE		

8-port, 1 Analog Signal Per Port, Common Ground and Shield

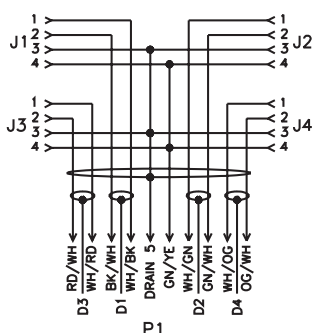
Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
8-port cast aluminum junction box, minifast port connectors, integral home-run cable	Home-run cable with 8/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 12.0 mm OD	<u>Port, Pin</u>	<u>Wire Color</u>	<u>Port, Pin</u>	<u>Wire Color</u>	P-8 RKF 40-977-*	P-8 RKFV 40-977-*
		Port 1, Pin 1	WH/BK	Port 5, Pin 2	BU/WH		
		Port 1, Pin 2	BK/WH	Port 6, Pin 1	WH/BN		
		Port 2, Pin 1	WH/GN	Port 6, Pin 2	BN/WH		
		Port 2, Pin 2	GN/WH	Port 7, Pin 1	WH/YE		
		Port 3, Pin 1	WH/RD	Port 7, Pin 2	YE/WH		
		Port 3, Pin 2	RD/WH	Port 8, Pin 1	WH/VT		
		Port 4, Pin 1	WH/OG	Port 8, Pin 2	VT/WH		
		Port 4, Pin 2	OG/WH	Ports 1-8, Pin 3	Drain	P-8 RKF 40-977-*/C	P-8 RKFV 40-977-*/C
		Port 5, Pin 1	WH/BU	Ports 1-8, Pin 4	GN/YE		

* Length in meters.

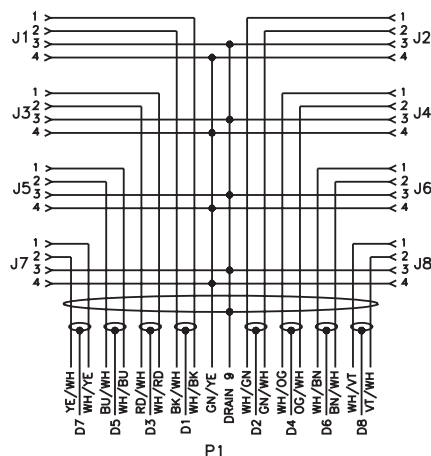
† Each circuit has dedicated drain wire not connected in the junction box.

Wiring Diagrams

4-Port Diagram



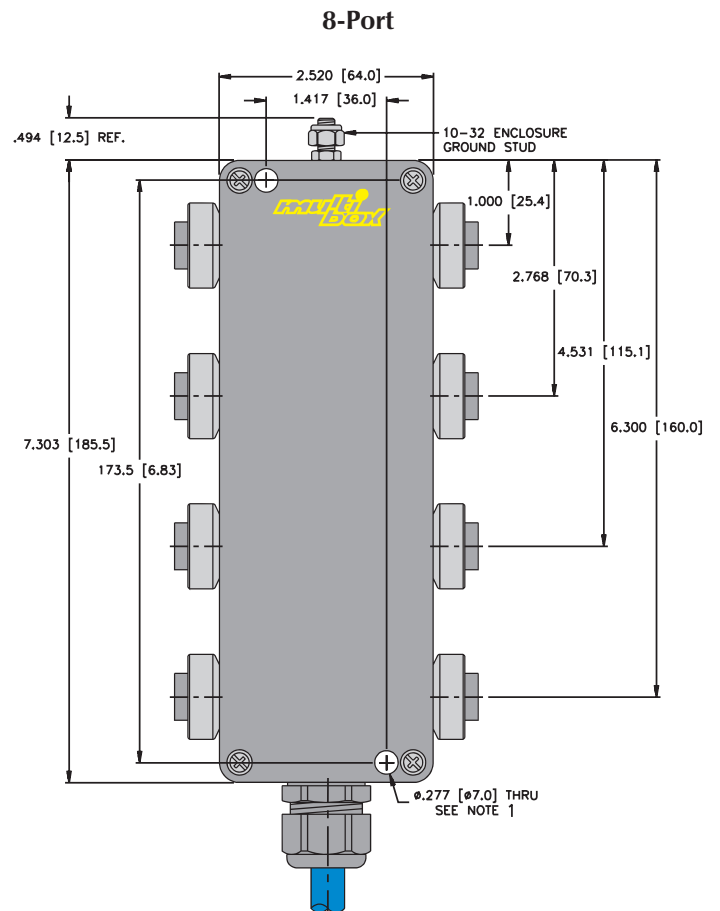
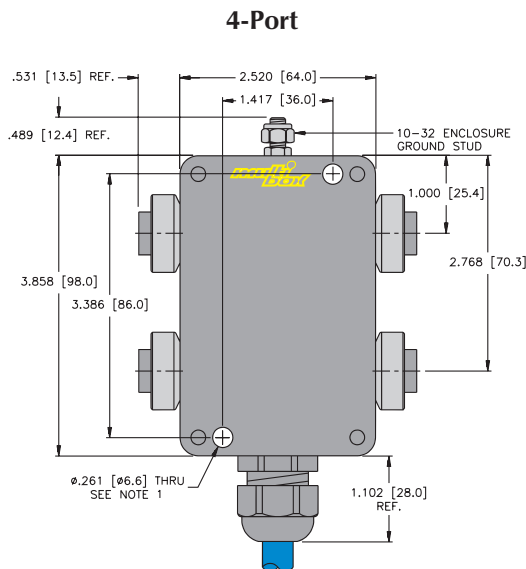
8-Port Diagram



Specifications

Housing:	Die-cast aluminum alloy.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Cable:	Blue PVC jacket, UL ITC/PLTC/AWM, CSA CMX-Outdoor/CMG/AWM FT4, 300 V, 105°C.
Protection:	IP 67.
Electrical Rating:	Standard Version: 300 V, 4 A per conductor (use as ITC is limited to 150 V, 3 A for 22 AWG conductors). "C" Versions: 30 V, 600 mA

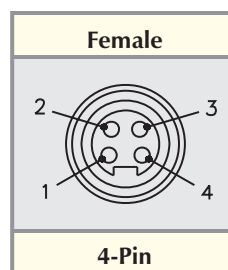
Dimensions



Notes:

1. Clearance hole for 1/4-20 mounting screws (2 not included).

Pinouts



TURCK

Process Wiring Products



multibox® minifast® Metal Junction Boxes

- Consolidation of 2-wire Analog or HART Control Circuits in Hazardous Locations* or Unclassified Locations



FM approved for installation in hazardous locations when installed per **TURCK** Control Drawing QCF-00147 (www.turck.com/fmcd) using specified accessory equipment.
 "/C" versions CSA certified for installation in hazardous locations when installed per **TURCK** Control Drawing Ni-2.404(www.turck.com/fmcd) using certified accessory equipment.

4-port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
4-port cast aluminum junction box, minifast port connectors, multifast ® home-run connector, 1 analog signal per port	12-pin multifast connector, 9 conductors plus drain	<u>Port, Pin</u>	<u>Home Run</u>	<u>Port, Pin</u>	<u>Home Run</u>	P-4 RKF 40-CS12	P-4 RKFV 40-CSV12
		Port 1, Pin 1	1	Port 4, Pin 1	7		
		Port 1, Pin 2	2	Port 4, Pin 2	8		
		Port 2, Pin 1	3	NC	9		
		Port 2, Pin 2	4	NC	10		
		Port 3, Pin 1	5	Ports 1-4, Pin 3	11		
		Port 3, Pin 2	6	Ports 1-4, Pin 4	12		
						P-4 RKF 40-CS12/C	P-4 RKFV 40-CSV12/C

See pages K85 - K92 for mating home run cordsets.

8-port, Common Ground and Shield

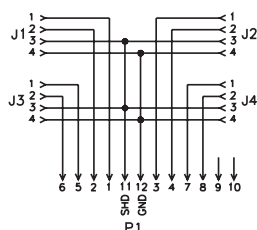
Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
8-port cast aluminum junction box, minifast port connectors, multifast home-run connector, 1 analog signal per port	19-pin multifast connector, 17 conductors plus drain	<u>Port, Pin</u>	<u>Home Run</u>	<u>Port, Pin</u>	<u>Home Run</u>	P-8 RKF 40-CS19	P-8 RKFV 40-CSV19
		Port 1, Pin 1	1	Port 5, Pin 1	10		
		Port 1, Pin 2	2	Port 5, Pin 2	11		
		Port 2, Pin 1	3	Ports 1-8, Pin 4	12		
		Port 2, Pin 2	4	Port 6, Pin 1	13		
		Port 3, Pin 1	5	Port 6, Pin 2	14		
		Ports 1-8, Pin 3	6	Port 7, Pin 1	15		
		Port 3, Pin 2	7	Port 7, Pin 2	16		
		Port 4, Pin 1	8	Port 8, Pin 1	17		
		Port 4, Pin 2	9	Port 8, Pin 2	18		
				NC	19		
						P-8 RKF 40-CS19/C	P-8 RKFV 40-CSV19/C

* Use with **lokfast** LOCK-MINI or LOCK-MINI-FW for port connectors in Class I, Division 2 applications and for mating Home-Run cable use "L" and "T" versions.

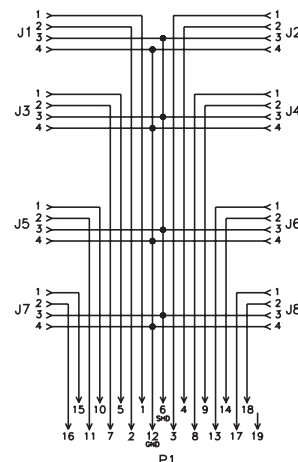
See pages K85 - K92 for mating home run cordsets.

Wiring Diagrams

4-Port Diagram, 1 Analog Signal Per Port



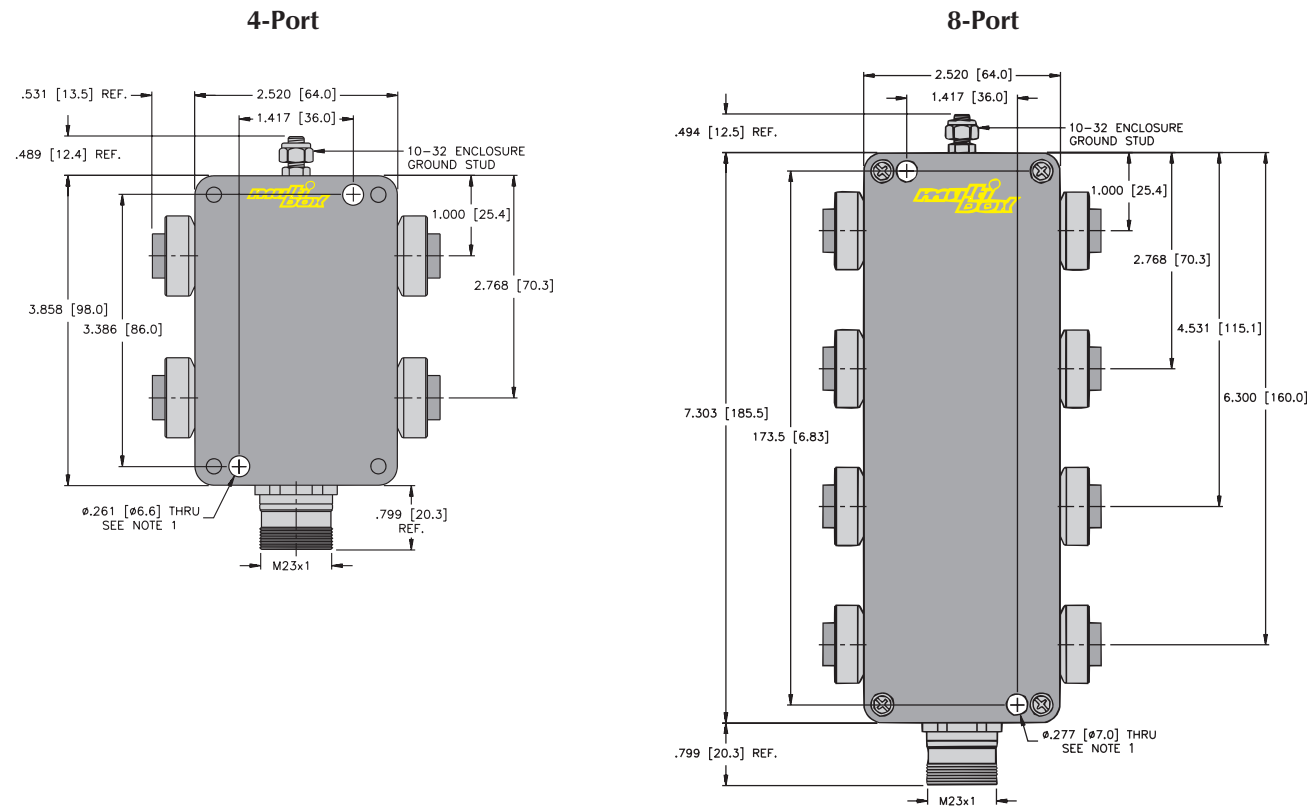
8-Port Diagram, 1 Analog Signal Per Port



Specifications

Housing:	Die-cast aluminum alloy.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 67.
Electrical Rating:	Standard Version: 12-pin: 300 V, 4 A per conductor. 19-pin: 150 V, 5 A per conductor. "C" Versions: 30 V, 600 mA

Dimensions



- Notes:
1. Clearance hole for 1/4-20 mounting screws (2 not included).

Pinouts

Female	Male	
4-Pin minifast®	12-Pin multifast®	19-Pin multifast

TURCK

Process Wiring Products

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CKM .. **P-CKML .. (for Class I, Division 2 applications)	P-CKM 12-960-*	ITC/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 10 mm OD Cable #RF50960-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CKM 12-229-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF51229-*M†		
	P-CKM 12-415-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF5145-*M†		
	P-CKM 19-959-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12 mm OD Cable #RF50959-*M†		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU
	P-CKM 19-230-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.7 mm OD Cable #RF51230-*M†		
	P-CKM 19-416-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.5 mm OD Cable #RF5146-*M†		

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-CKM(L).."; "P-CKM(T)V.." indicates 316 stainless steel.

† See pages K236 - K244 for *reelfast*® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CSM .. **P-CSML .. (for Class I, Division 2 applications)	P-CSM 12-960-*	ITC/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 10 mm OD Cable #RF50960-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CSM 12-229-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF51229-*M†		
	P-CSM 12-415-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF5145-*M†		
	P-CSM 19-959-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12 mm OD Cable #RF50959-*M†		
	P-CSM 19-230-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.7 mm OD Cable #RF51230-*M†		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU
	P-CSM 19-416-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.5 mm OD Cable #RF5146-*M†		

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-CSM(L)."; "P-CSM(T)V.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CKWM .. **P-CKWML .. (for Class I, Division 2 applications)	P-CKWM 12-960-*	ITC/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 10 mm OD Cable #RF50960-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CKWM 12-229-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF51229-*M†		
	P-CKWM 12-415-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF5145-*M†		
	P-CKWM 19-959-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12 mm OD Cable #RF50959-*M†		
	P-CKWM 19-230-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.7 mm OD Cable #RF51230-*M†		
	P-CKWM 19-416-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.5 mm OD Cable #RF5146-*M†		
				1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-CKWM(L).."; "P-CKWM(T)V.." indicates 316 stainless steel.

† See pages K236 - K244 for *reelfast*® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CSWM .. **P-CSWML .. (for Class I, Division 2 applications)	P-CSWM 12-960-*	ITC/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 10mm OD Cable #RF50960-*M†	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CSWM 12-229-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6mm OD Cable #RF51229-*M†		
	P-CSWM 12-415-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF5145-*M†		
	P-CSWM 19-959-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12mm OD Cable #RF50959-*M†		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU
	P-CSWM 19-230-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.7mm OD Cable #RF51230-*M†		
	P-CSWM 19-416-*	CSA CIC/CMX-Outdoor-CM UL ITC/PLTC PUR Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.5 mm OD Cable #RF5146-*M†		

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-CSWM(L).."; "P-CSWM(T)V.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Female Connectors
- IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CKM .. 	P-CKM 12-978-*	ITC/PLTC PVC Blue 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 10 mm OD 250 V, 4 A Cable #RF50978-*M [†]	<i>Multiple 2-wire Intrinsically Safe analog or HART control circuits in Class I, Division 1 hazardous locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CKM 19-977-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 12 mm OD 150 V, 2 A Cable #RF50977-*M [†]		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-CKWM.."; "P-CKWMV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Straight Male Connectors
- IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CSM .. 	P-CSM 12-978-*	ITC/PLTC PVC Blue 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 10 mm OD 250 V, 4 A Cable #RF50978-*M [†]	<i>Multiple 2-wire Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CSM 19-977-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 12 mm OD 150 V, 2 A Cable #RF50977-*M [†]		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-CSWM.."; "P-CSWMV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Female Connectors
- IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout		
P-CKWM ..	P-CKWM 12-978-*	ITC/PLTC PVC Blue 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 10 mm OD 250 V, 4 A Cable #RF50978-.*M†	Multiple 2-wire Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.	1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH	7. WH/OG 8. OG/WH 9. N/C 10. N/C 11. Drain 12. GN/YE	
	P-CKWM 19-977-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 12 mm OD 150 V, 2 A Cable #RF50977-.*M†		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. Drain 7. RD/WH 8. WH/OG 9. OG/WH 10. WH/BU	11. BU/WH 12. GN/YE 13. WH/BN 14. BN/WH 15. WH/YE 16. YE/WH 17. WH/VT 18. VT/WH 19. N/C	

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths. Standard coupling nut material is nickel plated brass "P-CKWM.."; "P-CKWMV.." indicates 316 stainless steel.
† See pages K236 - K244 for reelfast® cable information.
Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

multifast® Home Run Cordsets, 2-Wire Analog or HART Control Circuits

- Right Angle Male Connectors
- IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CSWM .. 	P-CSWM 12-978-*	ITC/PLTC PVC Blue 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 10 mm OD 250 V, 4 A Cable #RF50978-*M [†]	<i>Multiple 2-wire Intrinsically Safe Analog or HART control circuits in Class I, Division 1 hazardous locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CSWM 19-977-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 12 mm OD 150 V, 2 A Cable #RF50977-*M [†]		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU

* Length in meters. Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-CSWM.."; "P-CSWMV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

multifast® Home Run Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
P-CKFL ..	P-CKFL 12-960-*	ITC/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 10 mm OD Cable #RF50960-*M [†]	<i>Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CKFL 12-229-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF51229-*M [†]		
	P-CKFL 19-959-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12mm OD Cable #RF50959-*M [†]		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU
	P-CKFL 19-230-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.7 mm OD Cable #RF51230-*M [†]		

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.

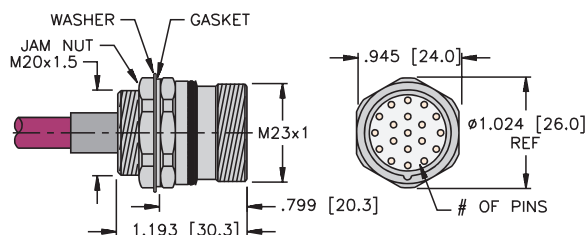
Standard housing material is nickel plated brass "P-CKFL.."; "P-CKFLV.." indicates 316 stainless steel.

** Use with "T" or "L" cordsets for Class I, Division 2 applications.

[†] See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

Dimensions



multifast® Home Run Receptacles with Cable, 2-Wire Analog or HART Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Cable	Application	Pinout
	P-CSFL 12-960-*	ITC/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 10 mm OD Cable #RF50960-*M†	Analog or HART control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. Drain 6. RD/WH 12. GN/YE
	P-CSFL 12-229-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 8x22 AWG, 4 STP with GND Foil/Drain (22) 105°C 250 V, 4 A 9.6 mm OD Cable #RF51229-*M†		
	P-CSFL 19-959-*	ITC/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12 mm OD Cable #RF50959-*M†		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. Drain 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU
	P-CSFL 19-230-*	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 16x22 AWG, 8 STP with GND Foil/Drain (22) 105°C 150 V, 2 A 12.7 mm OD Cable #RF51230-*M†		

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.

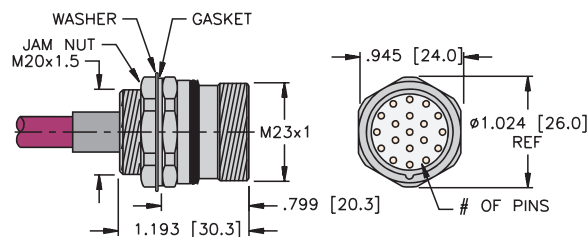
Standard housing material is nickel plated brass "P-CSFL.."; "P-CSFLV.." indicates 316 stainless steel.

** Use with "T" or "L" cordsets for Class I, Division 2 applications.

† See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

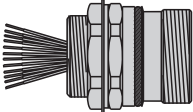
Dimensions



multifast® Home Run Receptacles with Leads, 2-Wire Analog or HART Control Circuits

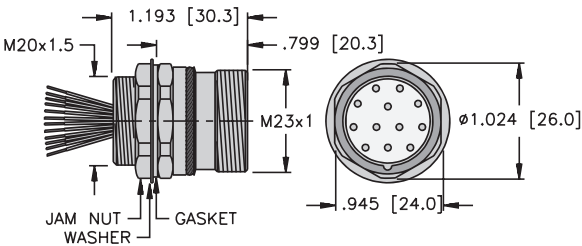
- Female Receptacles
- IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
 P-CKFL ..	P-CKFL 12-*	UL, CSA 10x22 AWG 105°C 300 V, 6 A	Multiple 2-wire analog or HART control circuits in hazardous locations or unclassified locations.	1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. WH/OG 8. OG/WH 9. N/C 10. N/C 11. GY 12. GN/YE
	P-CKFL 19-*	UL, CSA 18x22 AWG 105°C 150 V, 2 A		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. GY 7. RD/WH 8. WH/OG 9. OG/WH 10. WH/BU 11. BU/WH 12. GN/YE 13. WH/BN 14. BN/WH 15. WH/YE 16. YE/WH 17. WH/VT 18. VT/WH 19. N/C

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-CKFL.."; "P-CKFLV.." indicates 316 stainless steel.
Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

Dimensions



multifast® Home Run Receptacles with Leads, 2-Wire Analog or HART Control Circuits

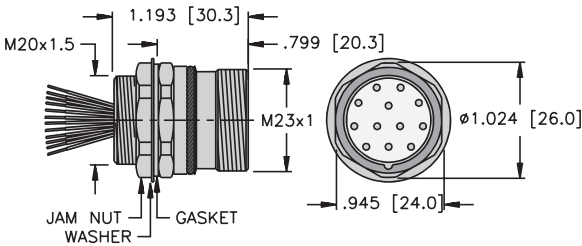
- Male Receptacles
- IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
 P-CSFL ..	P-CSFL 12-*	UL, CSA 10x22 AWG 105°C 300 V, 6 A	Multiple 2-wire analog or HART control circuits in hazardous locations or unclassified locations.	1. WH/BK 7. WH/OG 2. BK/WH 8. OG/WH 3. WH/GN 9. N/C 4. GN/WH 10. N/C 5. WH/RD 11. GY 6. RD/WH 12. GN/YE
	P-CSFL 19-*	UL, CSA 18x22 AWG 105°C 150 V, 2 A		1. WH/BK 11. BU/WH 2. BK/WH 12. GN/YE 3. WH/GN 13. WH/BN 4. GN/WH 14. BN/WH 5. WH/RD 15. WH/YE 6. GY 16. YE/WH 7. RD/WH 17. WH/VT 8. WH/OG 18. VT/WH 9. OG/WH 19. N/C 10. WH/BU

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-CSFL.."; "P-CSFLV.." indicates 316 stainless steel.
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

Dimensions



Additional Analog or Discrete Control Circuits Selection Guide



M12 eurofast® Thread	Drop Cordsets	Receptacles with Cable	Receptacles with Leads	Junction Boxes
Pages	K101 - K104	K105 - K108	K109 - K112	K113 - K116



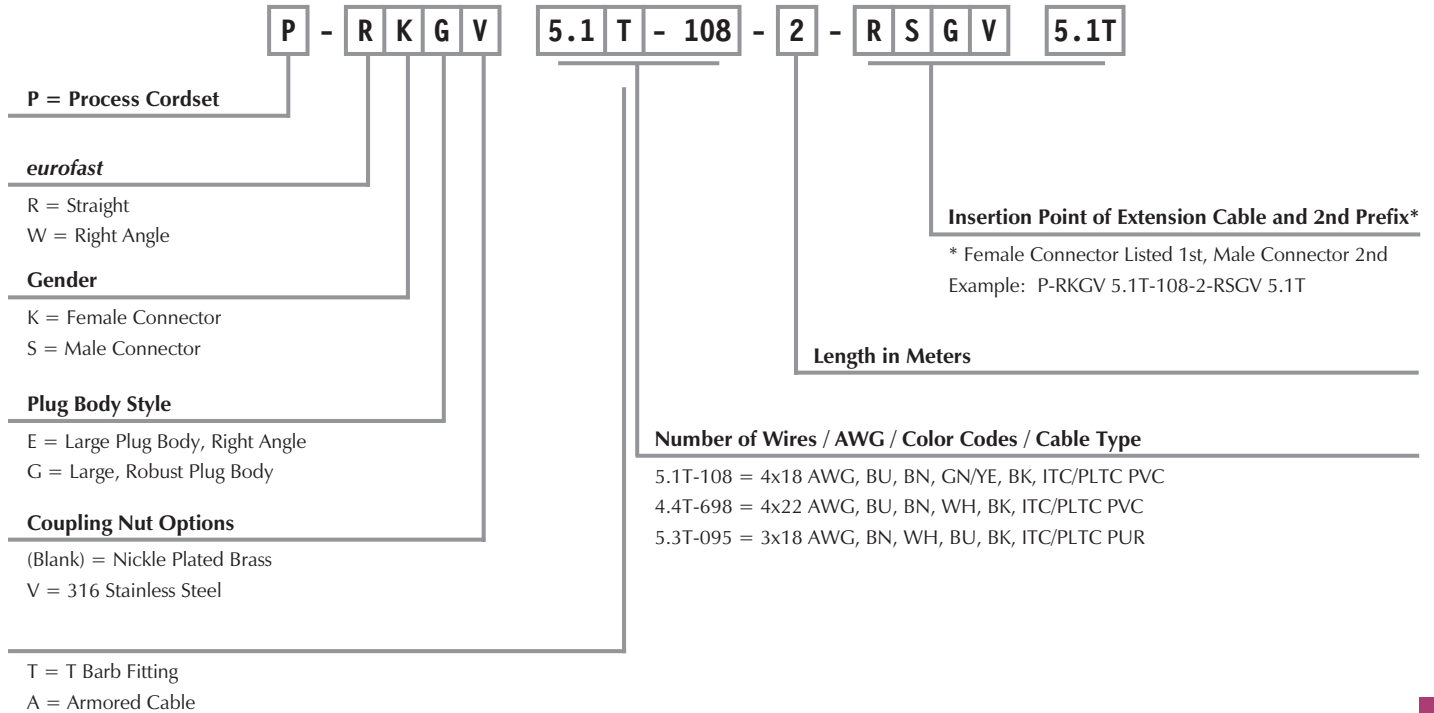
7/8", 1, & 1-1/8" minifast® Thread	Drop Cordsets	Receptacles with Cable	Receptacles with Leads	Explosionproof Receptacles	"Y" Fitting Receptacles	Junction Boxes
Pages	K121 - K128	K129 - K142	K144 - K160	K161 - K168	K169 - K170	K171 - K172



M23 multifast® Thread	Home Run Cordsets
Pages	K173 - K174

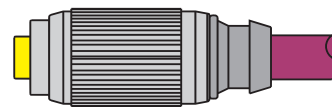
eurofast® Cordset Part Number Key, Additional Analog or Discrete Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Single Ended Example:

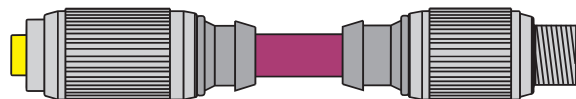
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RKGV ..

Extension Example:

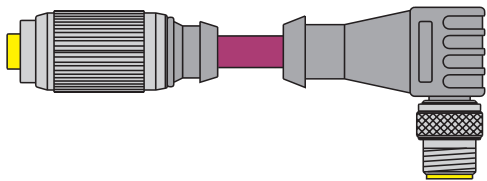
P - R K G 5.1 T - 108 - 2 - R S G 5.1 T



RKG .. - RSG ..

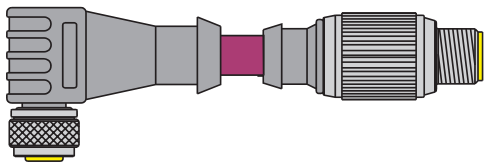
eurofast® Cordset Part Number Key, Additional Analog or Discrete Control Circuits

Other Extension Examples:



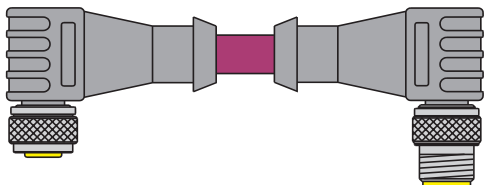
P - R K G 5.1 T - 108 - 2 - W S E 5.1 T

RKG .. - WSE ..



P - W K E 5.1 T - 108 - 2 - R S G 5.1 T

WKE .. - RSG ..



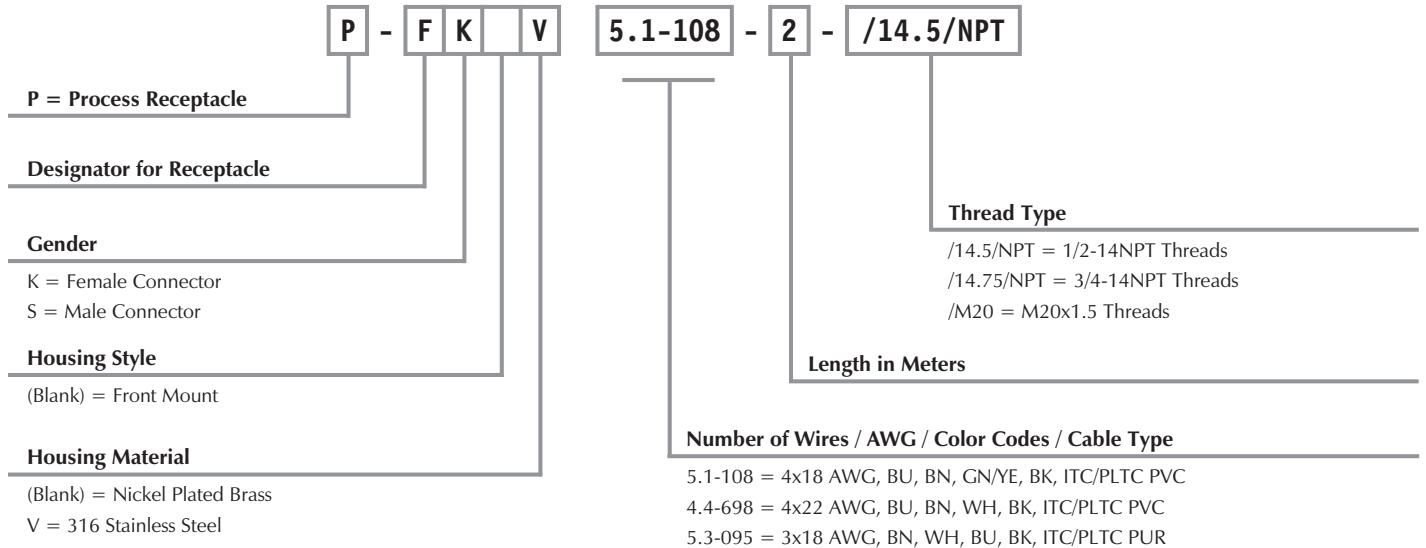
P - W K E 5.1 T - 108 - 2 - W S E 5.1 T

WKE .. - WSE ..

Note: Hybrid connector extensions also available. Consult factory.

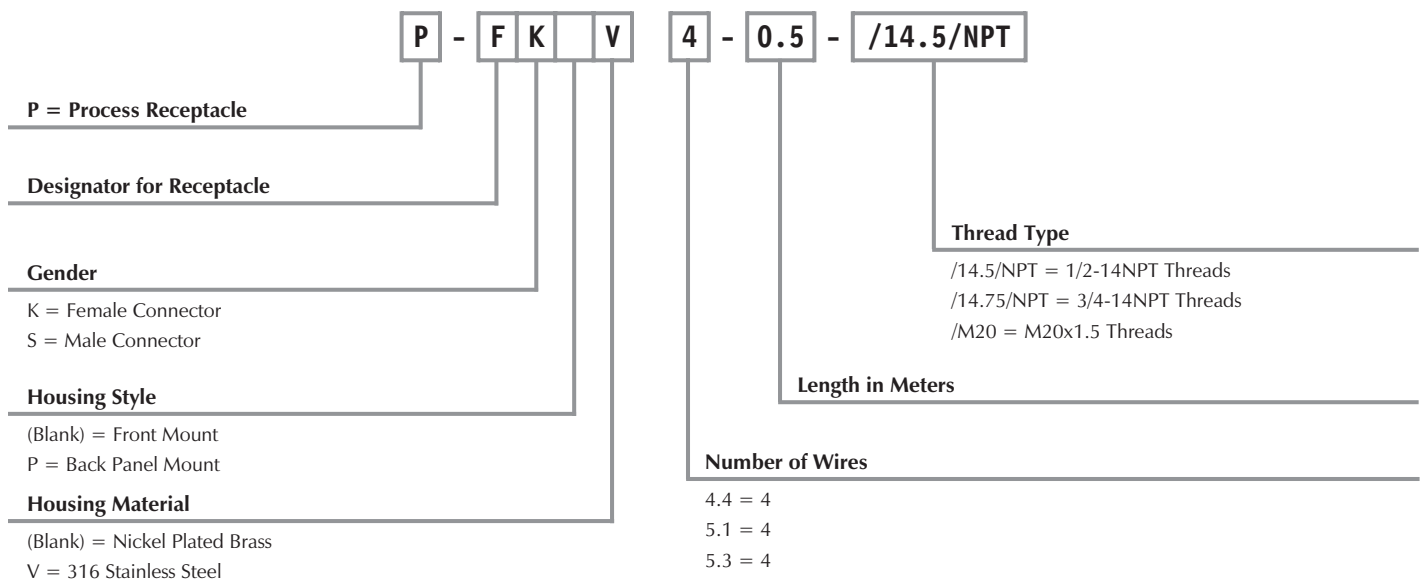
eurofast® Receptacle w/Cable Part Number Key, Additional Analog or Discrete Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



eurofast Receptacle with Leads Part Number Key, Additional Analog or Discrete Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



TURCK

Process Wiring Products

eurofast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Straight Female Connectors
- IEC IP 68 Protection
- 250 V, 4 A (Use as ITC Limited to 150 V, 3 A for 22 AWG Conductors)



Housing Style	Part Number	Cable	Features	Pinout
P-RKG .. 	P-RKG 4.4T-698-*	ITC/PLTC PVC Grey 4x22 AWG 105°C 5.2 mm OD Cable #RF50698-*M [†]	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. WH 4. BK
	P-RKG 5.1T-108-*	ITC/PLTC PVC Plum 4x18 AWG, 1 Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M [†]	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain 4. BK 5. GN/VE
	P-RKG 5.3T-095-*	ITC/PLTC PUR Black 4x22 AWG Foil/Drain (22) 105°C 6.8 mm OD Cable #RF51095-*M [†]	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BN 2. WH 3. BU 4. BK 5. Drain

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RKG .."; "P-RKGV .." indicates 316 stainless steel.

** Use with **lokfast eurofast** guards (part number: LOCK-EURO-G) in Class I, Division 2 applications.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Straight Male Connectors
- IEC IP 68 Protection
- 250 V, 4 A (Use as ITC Limited to 150 V, 3 A for 22 AWG Conductors)



Housing Style	Part Number	Cable	Features	Pinout
P-RSG .. 	P-RSG 4.4T-698-*	ITC/PLTC PVC Grey 4x22 AWG 105°C 5.2 mm OD Cable #RF50698-*M [†]	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. WH 4. BK
	P-RSG 5.1T-108-*	ITC/PLTC PVC Plum 4x18 AWG, 1 Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M [†]	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain 4. BK 5. GN/YE
	P-RSG 5.3T-095-*	ITC/PLTC PUR Black 4x22 AWG Foil/Drain (22) 105°C 6.8 mm OD Cable #RF51095-*M [†]	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BN 2. WH 3. BU 4. BK 5. Drain

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard coupling nut material is nickel plated brass "P-RSG .."; "P-RSGV .." indicates 316 stainless steel.

** Use with **lokfast eurofast** guards (part number: LOCK-EURO-G) in Class I, Division 2 applications.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

eurofast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Right Angle Female Connectors
- IEC IP 68 Protection
- 250 V, 4 A (Use as ITC Limited to 150 V, 3 A for 22 AWG Conductors)



Housing Style	Part Number	Cable	Features	Pinout
P-WKE .. 	P-WKE 4.4T-698-*	ITC/PLTC PVC Grey 4x22 AWG 105°C 5.2 mm OD Cable #RF50698-*M†	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. WH 4. BK
	P-WKE 5.1T-108-*	ITC/PLTC PVC Plum 4x18 AWG, 1 Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M†	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. Drain 4. BK 5. GN/YE
	P-WKE 5.3T-095-*	ITC/PLTC PUR Black 4x22 AWG Foil/Drain (22) 105°C 6.8 mm OD Cable #RF51095-*M†	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BN 2. WH 3. BU 4. BK 5. Drain

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WKE .."; "P-WKEV .." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Right Angle Male Connectors
- IEC IP 68 Protection
- 250 V, 4 A (Use as ITC Limited to 150 V, 3 A for 22 AWG Conductors)



Housing Style	Part Number	Cable	Features	Pinout
P-WSE ..	P-WSE 4.4T-698-*	ITC/PLTC PVC Grey 4x22 AWG 105°C 5.2 mm OD Cable #RF50698-*M [†]	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	
	P-WSE 5.1T-108-*	ITC/PLTC PVC Plum 4x18 AWG, 1 Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M [†]	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	
	P-WSE 5.3T-095-*	ITC/PLTC PUR Black 4x22 AWG Foil/Drain (22) 105°C 6.8 mm OD Cable #RF51095-*M [†]	4-wire RTD control circuits in Class I, Division 2 hazardous locations** or unclassified locations.	

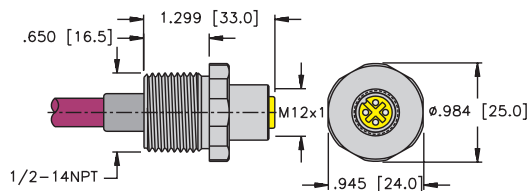
* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-WSE .."; "P-WSEV .." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast®** cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

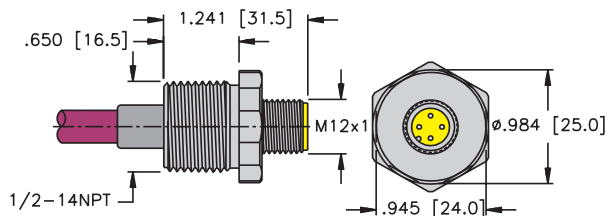
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P-FK .. 14.5/NPT

Pages K106 - K108

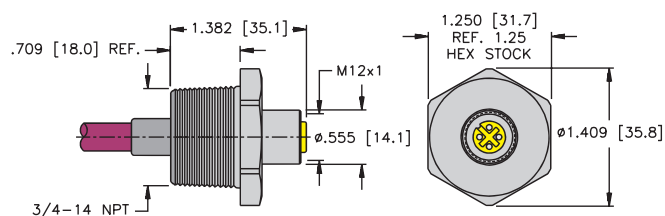
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P-FS .. 14.5/NPT

Pages K106 - K108

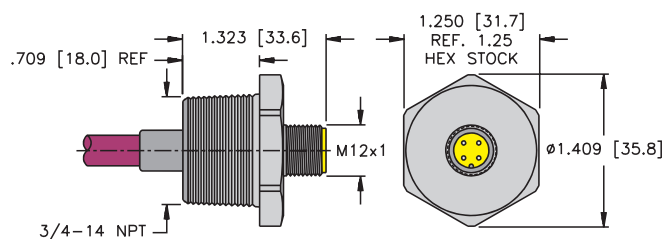
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P-FK .. 14.75/NPT

Pages K106 - K108

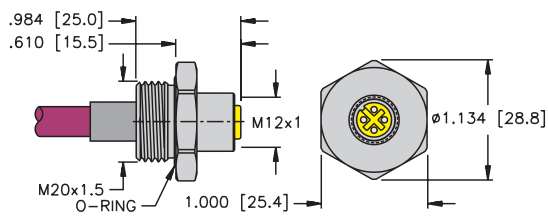
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P-FS .. 14.75/NPT

Pages K106 - K108

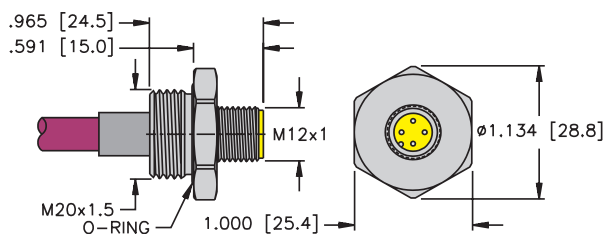
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P-FK .. M20

Pages K106 - K108

6



P-FS .. M20

Pages K106 - K108

eurofast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male and Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(Use as ITC Limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
1 	P-FK 5.1-108-*/14.5/NPT	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M [†]	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Threads.	
2 	P-FS 5.1-108-*/14.5/NPT			
3 	P-FK 5.1-108-*/14.75/NPT		Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Threads.	
4 	P-FS 5.1-108-*/14.75/NPT			
5 	P-FK 5.1-108-*/M20		Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Threads.	
6 	P-FS 5.1-108-*/M20			

1. BU
2. BN
3. Drain
4. BK
5. GN/YE

See page K105 for dimensional drawings.

- * Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard housing material is nickel plated brass "P-FK(S).."; "P-FK(S)V.." indicates 316 stainless steel. Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20. 1-1/16" (27.0 mm) for 3/4-14NPT. Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.
- [†] See pages K236 - K244 for **reelfast**® cable information.

TURCK

Process Wiring Products

eurofast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male and Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(Use as ITC Limited to 150 V)



Housing Style	Part Number	Cable	Application	Pinout
1 	P-FK 4.4-698-*/14.5/NPT	ITC/PLTC PVC Grey 4x22 AWG 105°C 5.2 mm OD Cable #RF50698-*M†	4-wire RTD control circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Threads.	
2 	P-FS 4.4-698-*/14.5/NPT			
3 	P-FK 4.4-698-*/14.75/NPT		4-wire RTD control circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Threads.	
4 	P-FS 4.4-698-*/14.75/NPT			
5 	P-FK 4.4-698-*/M20		4-wire RTD control circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Threads.	
6 	P-FS 4.4-698-*/M20			

1. BU
2. BN
3. WH
4. BK

See page K105 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-FK(S)."; "P-FK(S)V.." indicates 316 stainless steel.

Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20. 1-1/16" (27.0 mm) for 3/4-14NPT.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

† See pages K236 - K244 for reelfast® cable information.

eurofast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male and Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A
(Use as ITC Limited to 150 V)



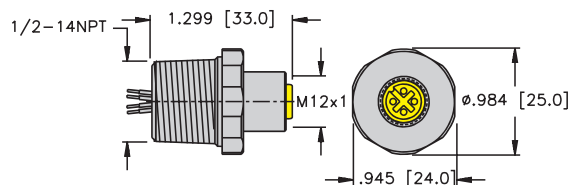
Housing Style	Part Number	Cable	Application	Pinout
1 	P-FK 5.3-095-*/14.5/NPT	ITC/PLTC PUR Black 4x22 AWG Foil/Drain (22) 105°C 6.8 mm OD Cable #RF51095-*M [†]	4-wire RTD control circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Threads.	
2 	P-FS 5.3-095-*/14.5/NPT			
3 	P-FK 5.3-095-*/14.75/NPT		4-wire RTD control circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Threads.	
4 	P-FS 5.3-095-*/14.75/NPT			
5 	P-FK 5.3-095-*/M20		4-wire RTD control circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Threads.	
6 	P-FS 5.3-095-*/M20			

See page K105 for dimensional drawings.

- * Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard housing material is nickel plated brass "P-FK(S).."; "P-FK(S)V.." indicates 316 stainless steel. Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20. 1-1/16" (27.0 mm) for 3/4-14NPT. Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.
- [†] See pages K236 - K244 for **reelfast**® cable information.

eurofast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

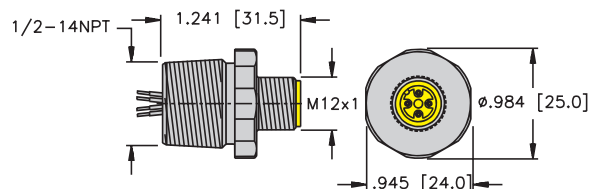
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P-FK .. 14.5/NPT

Pages K110 - K112

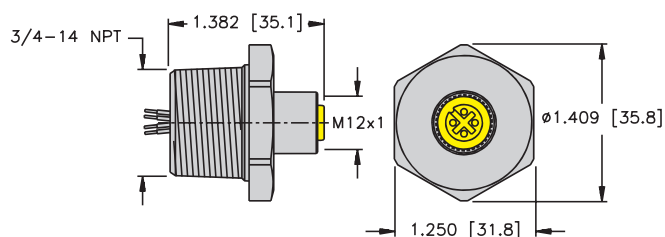
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P-FS .. 14.5/NPT

Pages K110 - K112

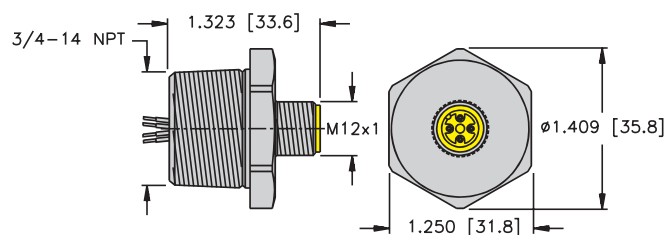
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P-FK .. 14.75/NPT

Pages K110 - K112

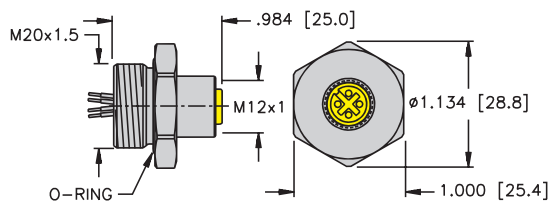
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P-FS .. 14.75/NPT

Pages K110 - K112

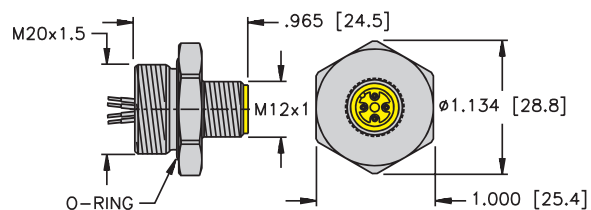
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P-FK .. M20

Pages K110 - K112

6



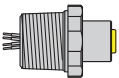
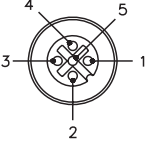
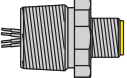
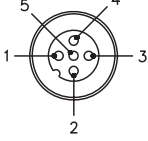
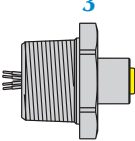
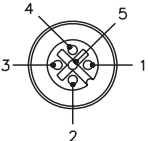
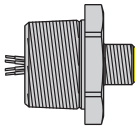
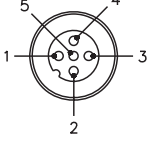
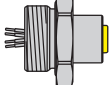
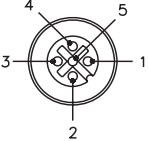
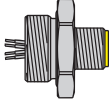
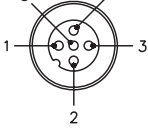
P-FS .. M20

Pages K110 - K112

eurofast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male and Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A



Housing Style	Part Number	Cable	Application	Pinout
	P-FK 5.1-*/14.5/NPT	UL, CSA 4x18 AWG 105°C	1/2-14NPT Threads	
	P-FS 5.1-*/14.5/NPT			
	P-FK 5.1-*/14.75/NPT		3/4-14NPT Threads	
	P-FS 5.1-*/14.75/NPT			
	P-FK 5.1-*/M20		M20 Threads	
	P-FS 5.1-*/M20			

See page K109 for dimensional drawings.

- * Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-FK(S).."; "P-FK(S)V.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20. 1-1/16" (27.0 mm) for 3/4-14NPT.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

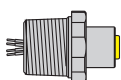
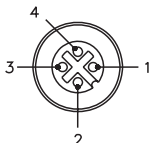
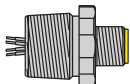
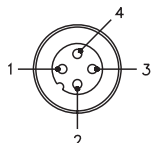
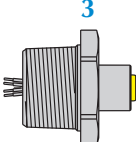
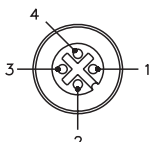
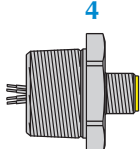
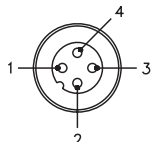
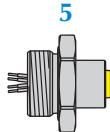
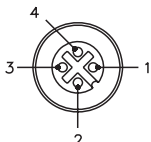
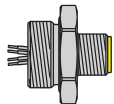
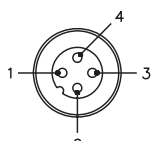
TURCK

Process Wiring Products

eurofast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male and Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A



Housing Style	Part Number	Cable	Application	Pinout
	P-FK 4.4-*/14.5/NPT	UL, CSA 4x22 AWG 105°C	1/2-14NPT Threads	
	P-FS 4.4-*/14.5/NPT			
	P-FK 4.4-*/14.75/NPT		3/4-14NPT Threads	
	P-FS 4.4-*/14.75/NPT			
	P-FK 4.4-*/M20		M20 Threads	
	P-FS 4.4-*/M20			

See page K109 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-FK(S)."; "P-FK(S)V.." indicates 316 stainless steel.

Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20. 1-1/16" (27.0 mm) for 3/4-14NPT.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

eurofast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male and Female Receptacles
- IEC IP 68 Protection
- 250 V, 4 A



Housing Style	Part Number	Cable	Application	Pinout
1 	P-FK 5.3-*/14.5/NPT	UL, CSA 4x22 AWG 105°C	1/2-14NPT Threads	
2 	P-FS 5.3-*/14.5/NPT			
3 	P-FK 5.3-*/14.75/NPT	UL, CSA 4x22 AWG 105°C	3/4-14NPT Threads	
4 	P-FS 5.3-*/14.75/NPT			
5 	P-FK 5.3-*/M20	UL, CSA 4x22 AWG 105°C	M20 Threads	
6 	P-FS 5.3-*/M20			

See page K109 for dimensional drawings.

- * Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-FK(S).."; "P-FK(S)V.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting. 1/2-14NPT and M20. 1-1/16" (27.0 mm) for 3/4-14NPT.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products



multibox® eurofast® Metal Junction Boxes w/Integral Home Run Cable

- Consolidation of Analog or Discrete Circuits in Hazardous Locations or Unclassified Locations
- Blue Jacket Color may be used as Identification of Intrinsically Safe Circuits



FM approved for installation in hazardous locations when installed per **TURCK** Control Drawing QCF-00147 (www.turck.com/fmcd) using specified accessory equipment.
 "/C" versions CSA certified for installation in hazardous locations when installed per **TURCK** Control Drawing Ni-2.404(www.turck.com/fmcd) using certified accessory equipment.

4-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
4-port cast aluminum junction box, eurofast port connectors, integral home-run cable	Home-run cable with 4/22 AWG shielded twisted pairs, each with 22 AWG drain†, plus overall shield with 22 AWG drain and 18 AWG overall ground, 10.0 mm OD	<u>Port, Pin</u>	<u>Wire Color</u>	<u>Port, Pin</u>	<u>Wire Color</u>	P-VBM 40-978-*	P-VBMV 40-978-*
		Port 1, Pin 1	WH/BK	Port 3, Pin 2	RD/WH	P-VBM 40-978-*/C	P-VBMV 40-978-*/C
Port 1, Pin 2	BK/WH	Port 4, Pin 1	WH/OG				
Port 2, Pin 1	WH/GN	Port 4, Pin 2	OG/WH				
Port 2, Pin 2	GN/WH	Ports 1-4, Pin 3	Drain				
Port 3, Pin 1	WH/RD	Ports 1-4, Pin 4	GN/YE				

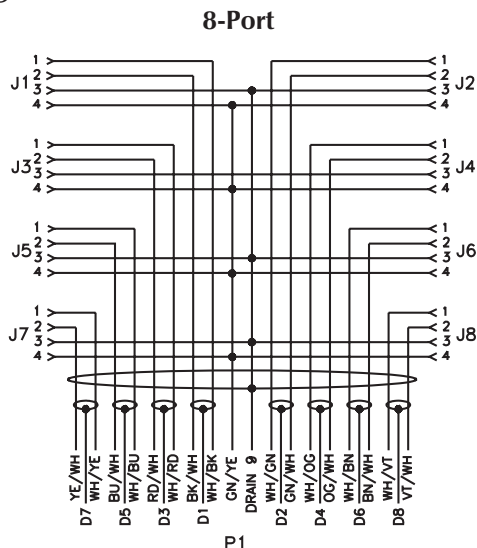
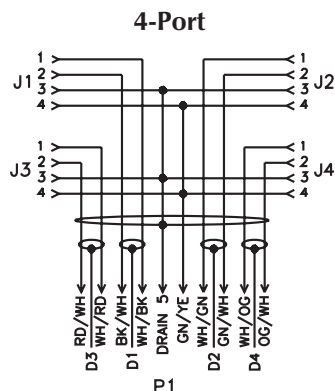
8-port, 1 Analog Signal Per Port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
8-port cast aluminum junction box, eurofast port connectors, integral home-run cable	Home-run cable with 8/22 AWG shielded twisted pairs, each with 22 AWG drain [†] , plus overall shield with 22 AWG drain and 18 AWG overall ground, 12.0 mm OD	Port, Pin	Wire Color	Port, Pin	Wire Color	P-VBM 80-977-*	P-VBMV 80-977-*
		Port 1, Pin 1	WH/BK	Port 6, Pin 1	WH/BN		
		Port 1, Pin 2	BK/WH	Port 6, Pin 2	BN/WH		
		Port 2, Pin 1	WH/GN	Port 7, Pin 1	WH/YE		
		Port 2, Pin 2	GN/WH	Port 7, Pin 2	YE/WH		
		Port 3, Pin 1	WH/RD	Port 8, Pin 1	WH/VT	P-VBM 80-977-*/C	P-VBMV 80-977-*/C
		Port 3, Pin 2	RD/WH	Port 8, Pin 2	VT/WH		
		Port 4, Pin 1	WH/OG	Ports 1-8, Pin 3	Drain		
		Port 4, Pin 2	OG/WH	Ports 1-8, Pin 4	GN/YE		
		Port 5, Pin 1	WH/BU				
Port 5, Pin 2	BU/WH						

* Length in meters.

† Each circuit has dedicated drain wire not connected in the junction box.

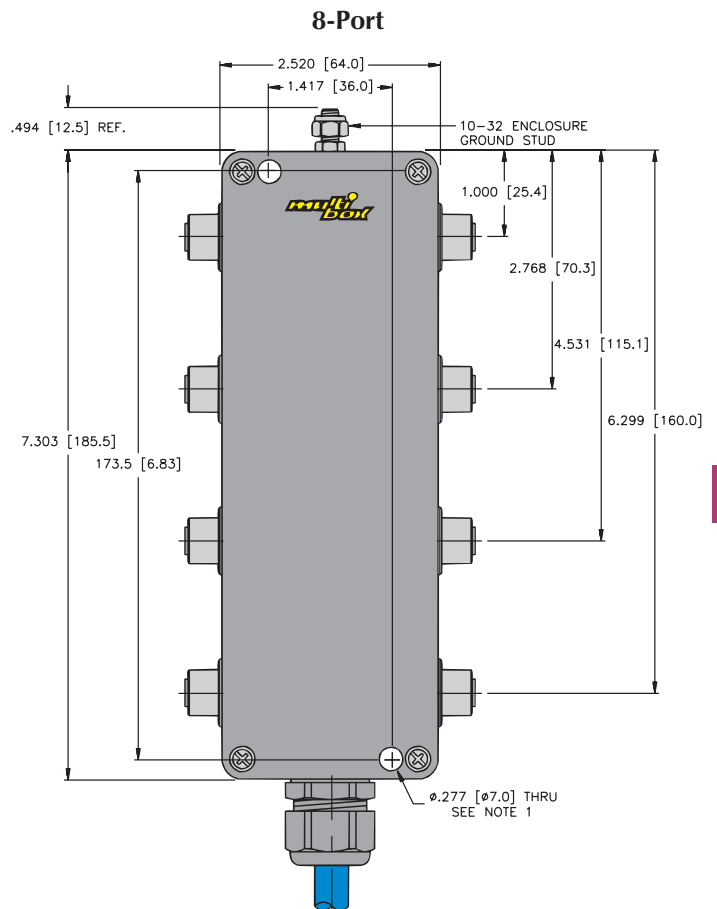
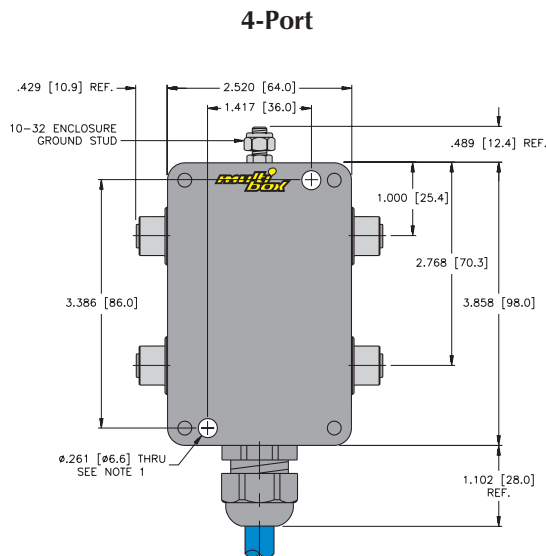
Wiring Diagrams



Specifications

Housing:	Die-cast aluminum alloy.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 68.
Cable:	Blue PVC jacket, UL ITC/PLTC/AWM, CSA CMX-Outdoor/CMG/AWM FT4, 300 V, 105°C.
Electrical Rating:	Standard Version: 250 V, 4 A per conductor (use as ITC is limited to 150 V, 3 A for 22 AWG conductors). "C" Versions: 30 V, 600 mA

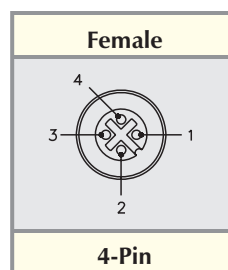
Dimensions



Notes:

1. Clearance hole for 1/4-20 mounting screws (2 not included).

Pinouts



TURCK
Process Wiring Products



multibox® eurofast® Metal Junction Boxes

- Consolidation of Analog or Discrete Circuits in Hazardous Locations** or Unclassified Locations



FM approved for installation in hazardous locations when installed per TURCK Control Drawing QCF-00147 (www.turck.com/fmcd) using specified accessory equipment.
"/C" versions CSA certified for installation in hazardous locations when installed per TURCK Control Drawing Ni-2.404(www.turck.com/fmcd) using certified accessory equipment.

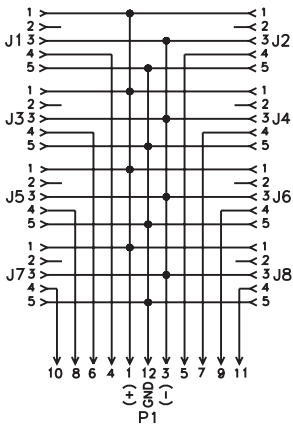
8-port, Common Ground and Shield

Table with 5 columns: Application, Specifications, Pinout, Nickel Plated Brass, and Stainless Steel. It details the 8-port cast aluminum junction box, eurofast port connectors, multifast home-run connector, and 12-pin multifast connector. The pinout section lists connections for V+, NC, V-, and Ports 1-8, Pin 4, and Ports 1-8, Pin 5. The materials section lists P-VBM 84-CS12 and P-VBMV 84-CSV12 for Nickel Plated Brass, and P-VBMV 84-CSV12 and P-VBMV 84-CSV12/C for Stainless Steel.

** Use with lokfast LOCK-EURO-G for port connectors in Class I, Division 2 applications and for mating Home-Run cable use "L" and "T" versions
See page K173 for mating home run cable.

Wiring Diagram

8-Port Diagram, 1 Discrete Signal Per Port

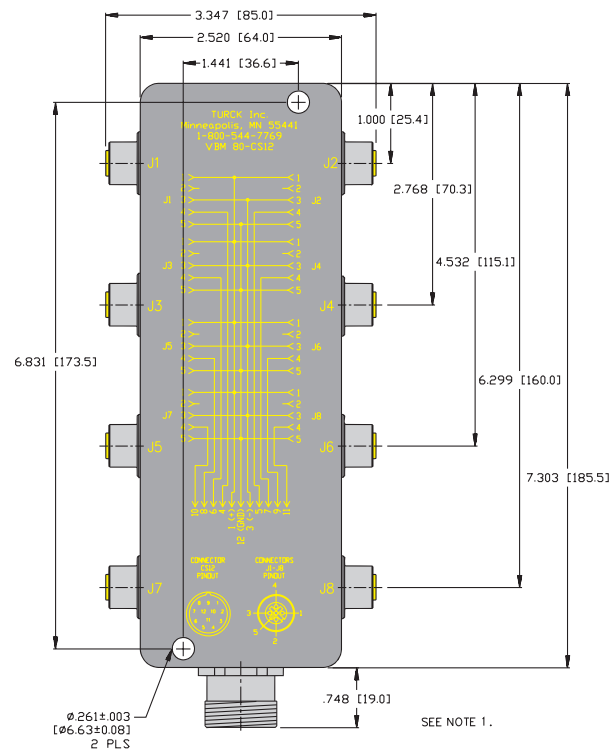


Specifications

Housing:	Die-cast aluminum alloy.
Connectors:	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 67.
Electrical Rating:	Standard Version: 150 V, 4 A per conductor. "C" Versions: 30 V, 600 mA

Dimensions

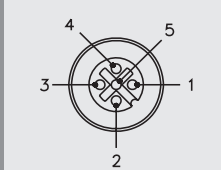
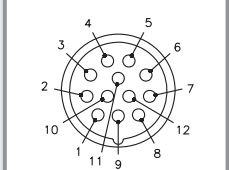
4-Port



Notes:

1. Clearance hole for 1/4-20 mounting screws (2 not included).

Pinouts

Female	Male
	
4-Pin eurofast®	12-Pin multifast®

TURCK
Process Wiring Products

minifast® Cordset Part Number Key, Additional Analog or Discrete Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

P

-

R

S

V

R

K

V

51

-

108

-

2

P = Process Cordset

minifast

R = Straight
W = Right Angle

Gender

K = Female Connector, plus Threads
S = Male Connector, plus Threads
Y = Male Connector, Female Threads

Coupling Nut Options

(Blank) = Nickel Plated Brass
V = 316 Stainless Steel

Insertion Point of Extension Cable and 2nd Prefix*

* Male Connector Listed 1st, Female Connector 2nd
Example: P-RSV RKV 51-108-2

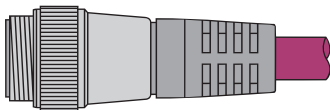
Length in Meters

Number of Wires / AWG / Color Codes / Cable Type

51-108 = 4x18 AWG, AWG, BU, BN, GN/YE, BK, ITC/PLTC PVC
55-099 = 4x16 AWG, WH, BK, GN, RD, ITC/PLTC PVC
55-328 = 4x16 AWG, WH, BK, GN, RD, ITC/PLTC PVC
60-025 = 5x16 AWG, BU, BN, GN/YE, WH, BK, ITC/PLTC PVC
63-233 = 6x16 AWG, WH, RD, GN, OG, BK, BU, ITC-Exposed Run/Direct Burial/PLTC PVC
71-219 = 6x16 AWG, WH, BK, RD, OG, BU, GN, ITC/PLTC PVC
71-329 = 6x16 AWG, WH, BK, RD, OG, BU, GN, ITC/PLTC PVC
321-088 = 3x18 AWG, GN/YE, BN, BU, ITC/PLTC PVC
33-187 = 3x18 AWG, GN, BK, WH, ITC/PLTC PVC
442A-041 = 4x18 AWG, BK, WH, RD, GN, PVC Armor
52-972 = 5x18 AWG, BK, WH, GY, BN, BU, ITC/PLTC PVC
63-030 = 6x16 AWG, WH, RD, GN, OG, BK, BU, ITC/PLTC PVC
66-318 = 5x18 AWG, BU, BN, GN/YE, WH, BK, ITC/PLTC PVC

Single Ended Example:

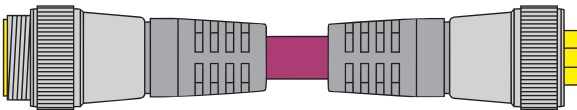
P - R S V 51- 108 - 2M



RSV ..

Extension Example:

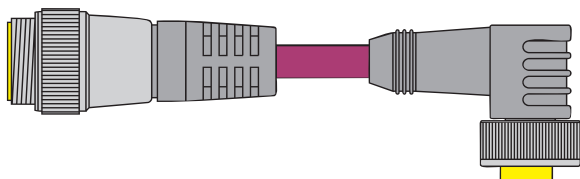
P - R S V R K V 51- 108 - 2M



RSV .. - RKV ..

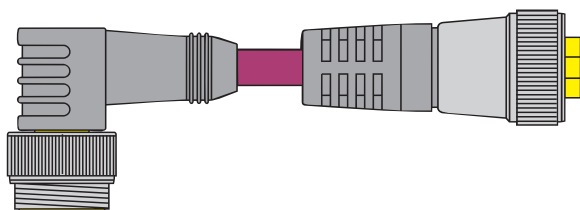
minifast® Cordset Part Number Key, Additional Analog or Discrete Control Circuits

Other Extension Examples:



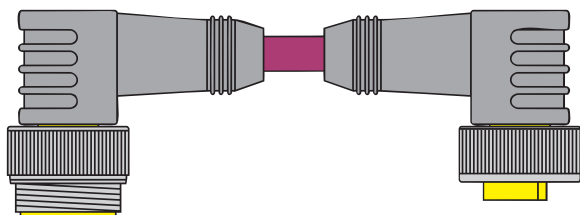
RSV .. - WKV ..

P - R S V W K V 51 - 108 - 2M



WSV .. - RKV ..

P - W S V R K V 51 - 108 - 2M



WSV .. - WKV ..

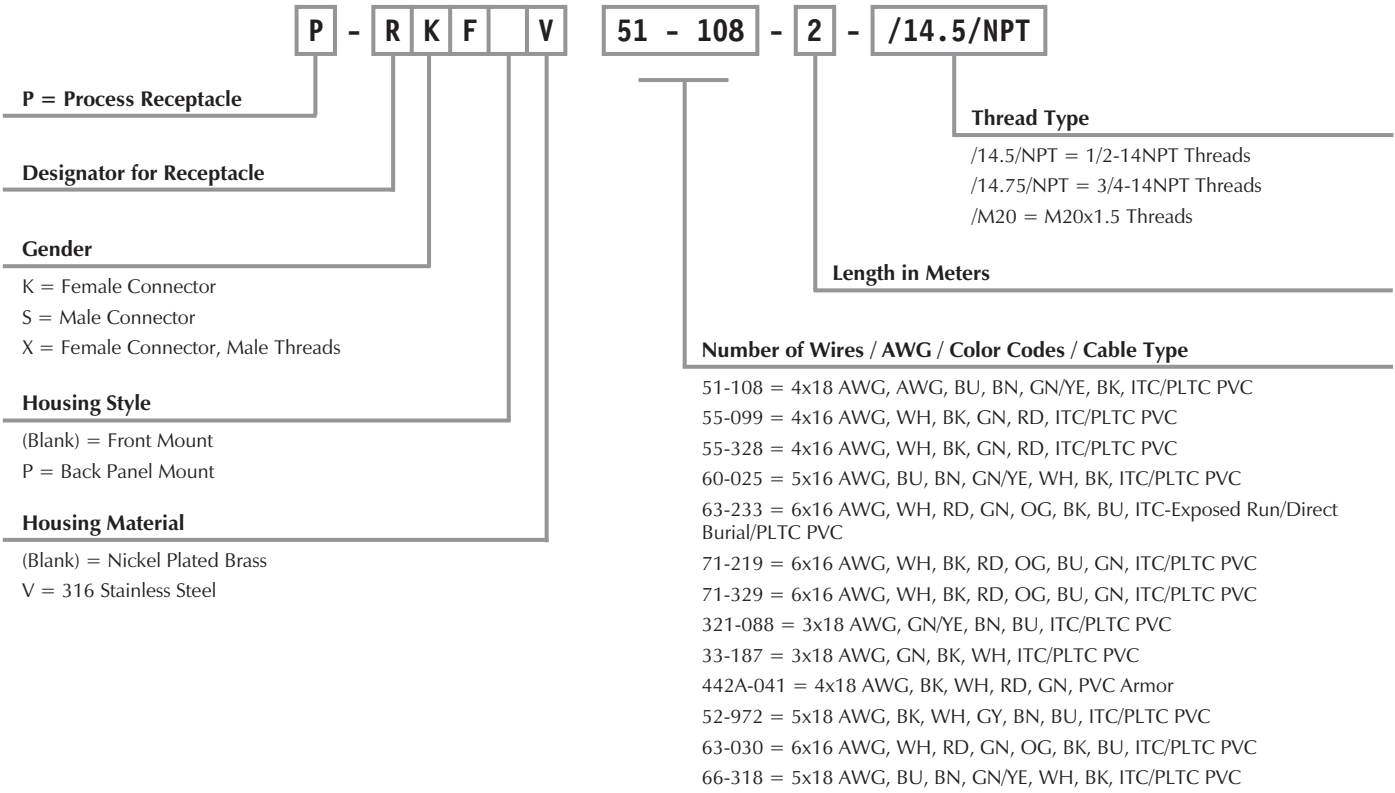
P - W S V W K V 51 - 108 - 2M

Note: Hybrid connector extensions also available. Consult factory.

TURCK
Process Wiring Products

minifast® Receptacles with Cable Part Number Key, Additional Analog or Discrete Control Circuits

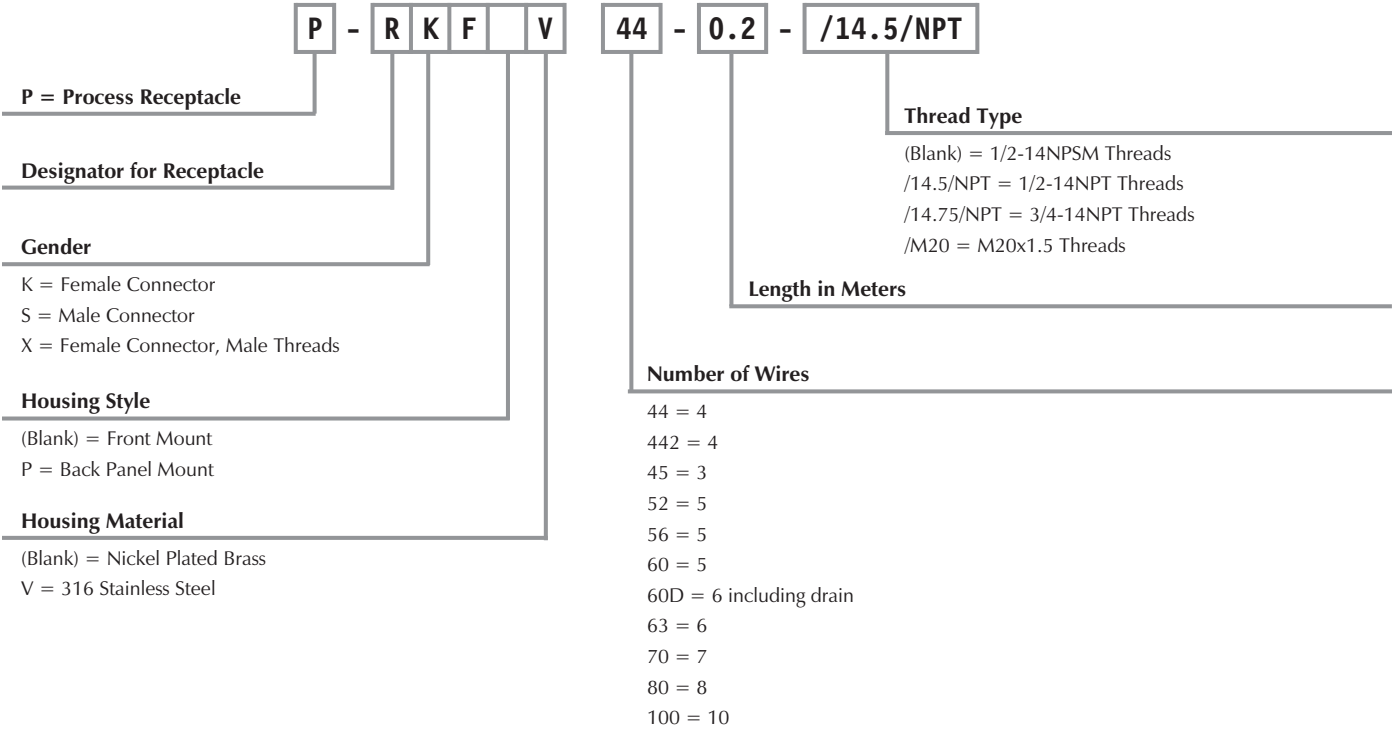
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.





minifast® Receptacles with Leads Part Number Key, Additional Analog or Discrete Control Circuits

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



TURCK

Process Wiring Products

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Straight Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
P-RKM .. P-RKM 442A-041 ..	P-RKM 321-880-*M	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-*M†	Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.	1. GN/YE 2. BN 3. BU
	P-RKM 33-187-*M	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-*M†		1. GN 2. BK 3. WH
	P-RKM 442A-041-*M	ITC/PLTC ARMOR PVC Yellow 4x18 AWG 105°C 13.5 mm OD Cable #RF51041-*M†		1. BK 2. WH 3. RD 4. GN
	P-RKM 51-108-*M	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M†	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RKM 52-972-*M	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-*M†	Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKM 55-099-*M	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-*M†	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RKM 55-328-*M	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-*M†		1. WH 2. BK 3. GN 4. RD 5. Drain

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RKM.."; "P-RKV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Straight Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
P-RKM .. 	P-RKM 60-025-*M	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	<i>Instruments with separate power or signal circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RKM 63-030-*M	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKM 63-233-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKM 66-318-*M	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
P-RKM .. 	P-RKM 71-219-*M	ITC/PLTC PVC Plum 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RKM 71-329-*M	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RKM.."; "P-RKV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast®** cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI + LOCK-MINI-B&C) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Straight Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable sealing requirements of NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
P-RSM .. P-RSM 442A-041 ..	P-RSM 321-880-*M	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-*M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.	1. GN/YE 2. BN 3. BU
	P-RSM 33-187-*M	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-*M [†]		1. GN/YE 2. BN 3. BU
	P-RSM 442A-041-*M	ITC/PLTC ARMOR PVC Yellow 4x18 AWG 105°C 13.5 mm OD Cable #RF51041-*M [†]		1. BK 2. WH 3. RD 4. GN
	P-RSM 51-108-*M	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M [†]	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RSM 52-972-*M	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-*M [†]	Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RSM 55-099-*M	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-*M [†]		1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RSM 55-328-*M	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-*M [†]	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-RSM.."; "P-RSV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Straight Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
P-RSM .. 	P-RSM 60-025-*M	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	<i>Instruments with separate power or signal circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RSM 63-030-*M	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSM 63-233-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSM 66-318-*M	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
P-RSM .. 	P-RSM 71-219-*M	ITC/PLTC PVC Plum 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]	<i>Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.</i>	1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RSM 71-329-*M	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "P-RSM.."; "P-RSV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI + LOCK-MINI-B&C) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Right Angle Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable sealing requirements of NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
P-WKM ..	P-WKM 321-880-*M	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-*M†	Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.	1. GN/YE 2. BN 3. BU
	P-WKM 33-187-*M	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-*M†		1. GN 2. BK 3. WH
	P-WKM 51-108-*M	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M†	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-WKM 52-972-*M	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-*M†	Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-WKM 55-099-*M	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-*M†	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-WKM 55-328-*M	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-*M†		

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard coupling nut material is nickel plated brass "P-WKM.."; "P-WKV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Right Angle Female Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable
sealing requirements of
NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
P-WKM .. 	P-WKM 60-025-M	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-M [†]	<i>Instruments with separate power or signal circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-WKM 63-030-M	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-WKM 63-233-M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-WKM 66-318-M	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
P-WKM .. 	P-WKM 71-219-M	ITC/PLTC PVC Plum 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51219-M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-WKM 71-329-M	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WKM.."; "P-WKV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for **reelfast®** cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE + LOCK-MINI-B&C-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Right Angle Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable sealing requirements of NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
	P-WSM 321-880-*M	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-*M†	Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.	1. GN/YE 2. BN 3. BU
	P-WSM 33-187-*M	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-*M†		1. GN 2. BK 3. WH
	P-WSM 51-108-*M	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M†	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-WSM 52-972-*M	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-*M†	Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-WSM 55-099-*M	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-*M†	Discrete or Analog 3-wire circuits in Class I, Division 2 hazardous locations** or unclassified locations.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-WSM 55-328-*M	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-*M†		

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WSM.."; "P-WSV.." indicates 316 stainless steel.

† See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Drop Cordsets, Additional Analog or Discrete Control Circuits

- Right Angle Male Connectors
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



FM tested to the cable sealing requirements of NEC Article 501-5(E)(2)

Housing Style	Part Number	Cable	Application	Pinouts
P-WSM .. 	P-WSM 60-025-*M	ITC/PLTC PVC Plum 5x16 AWG, 1 STP Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	<i>Instruments with separate power or signal circuits in Class I, Division 2 hazardous locations** or unclassified locations.</i>	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-WSM 63-030-*M	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-WSM 63-233-*M	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-WSM 66-318-*M	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
P-WSM .. 	P-WSM 71-219-*M	ITC/PLTC PVC Plum 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-WSM 71-329-*M	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "P-WSM.."; "P-WSV.." indicates 316 stainless steel.

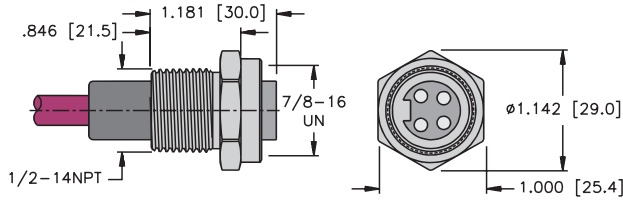
[†] See pages K236 - K244 for **reelfast**® cable information.

** Use with **lokfast minifast** guards (Part Number: LOCK-MINI-ANGLE + LOCK-MINI-B&C-ANGLE) in Class I, Division 2 applications.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

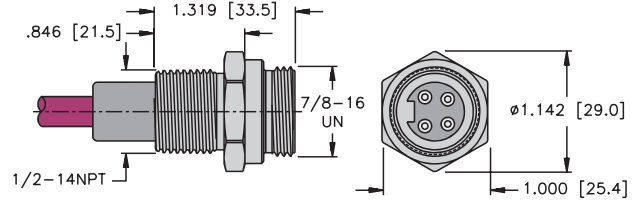
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P-RKF .. 14.5/NPT

Pages K131 - K132

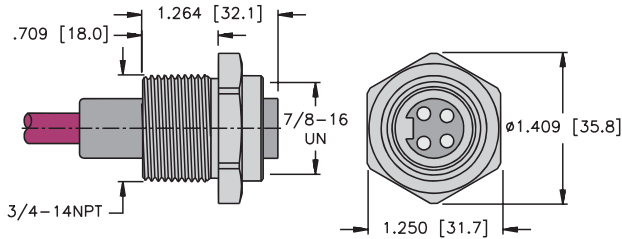
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P-RSF .. 14.5/NPT

Pages K133 - K134

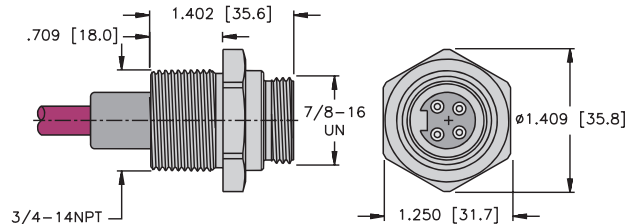
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P-RKF .. 14.75/NPT

Pages K136 - K136

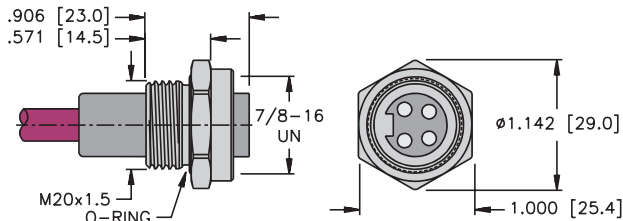
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P-RSF .. 14.75/NPT

Pages K137 - K138

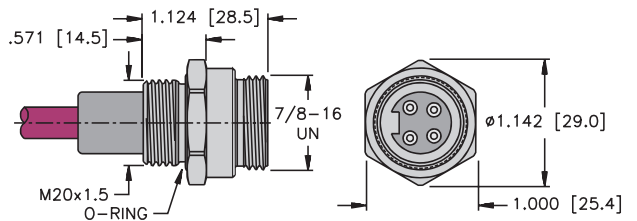
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P-RKF .. M20

Pages K139 - K140

6

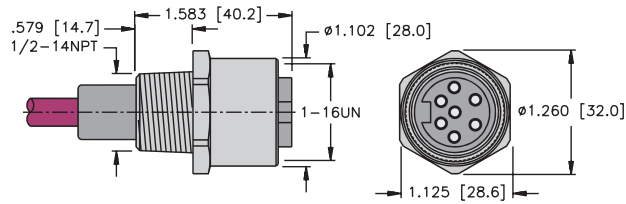


P-RSF .. M20

Pages K141 - K142

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

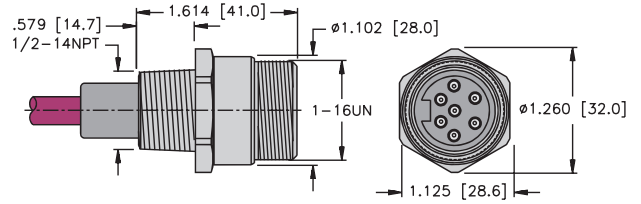
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"B" Style P-RKF .. 14.5/NPT

Page K132

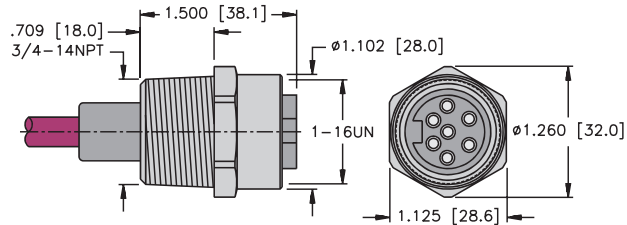
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"B" Style P-RSF .. 14.5/NPT

Page K134

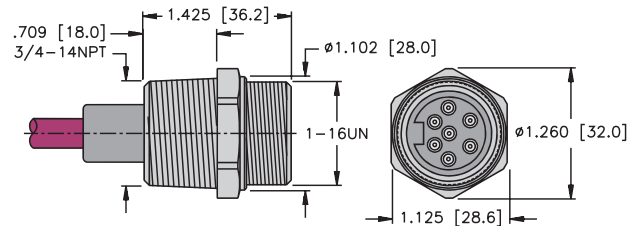
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"B" Style P-RKF .. 14.75/NPT

Page K136

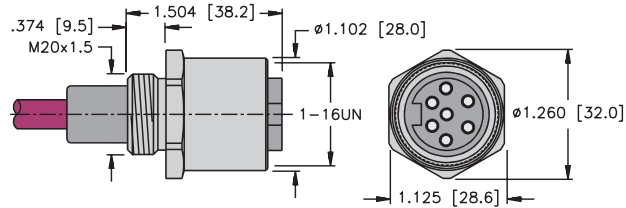
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"B" Style P-RSF .. 14.75/NPT

Page K138

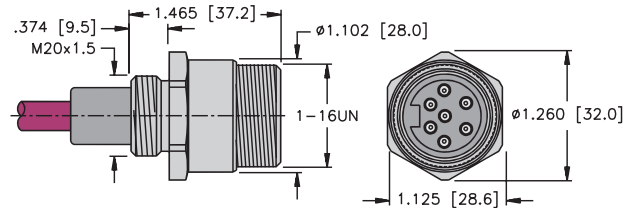
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"B" Style P-RKF .. M20

Page K140

12



"B" Style P-RSF .. M20

Page K142

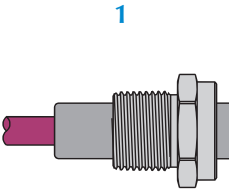
TURCK

Process Wiring Products

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinouts
	P-RKF 321-880-*/14.5/NPT	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880- [†] M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. GN/YE 2. BN 3. BU
	P-RKF 33-187-*/14.5/NPT	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187- [†] M [†]		1. GN 2. BK 3. WH
	P-RKF 51-108-*/14.5/NPT	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108- [†] M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RKF 52-972-*/14.5/NPT	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972- [†] M [†]	Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKF 55-099-*/14.5/NPT	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099- [†] M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RKF 55-328-*/14.5/NPT	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328- [†] M [†]		1. WH 2. BK 3. GN 4. RD 5. Drain

See page K129 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RKM.."; "P-RKV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for reelfast® cable information.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RKF 60-025-*/14.5/NPT	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	<i>Instruments with separate power and signal circuits in Class I, Division 2 hazardous locations or unclassified locations.</i> 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RKF 63-030-*/14.5/NPT	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations.</i> 1/2-14NPT Conduit Entry Thread.	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKF 63-233-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKF 66-318-*/14.5/NPT	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RKF 71-219-*/14.5/NPT	ITC/PLTC PVC Plum 6x16 AWG Foil/Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations.</i> 1/2-14NPT Conduit Entry Thread.	1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RKF 71-329-*/14.5/NPT	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		

See page K129 - K130 for dimensional drawings.

- * Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RKF.-"; "P-RKFV.-" indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting; 7-pin recommends 7/8" (22.0 mm).

- [†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

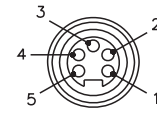
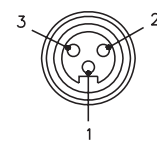
Process Wiring Products

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RSF 321-880-*/14.5/NPT	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-*M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. GN/YE 2. BN 3. BU
	P-RSF 33-187-*/14.5/NPT	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-*M [†]		1. GN 2. BK 3. WH
	P-RSF 51-108-*/14.5/NPT	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RSF 52-972-*/14.5/NPT	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-*M [†]	Discrete I/O Devices in Class I, Division 2 Hazardous Locations or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RSF 55-099-*/14.5/NPT	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-*M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RSF 55-328-*/14.5/NPT	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-*M [†]		



See page K129 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
2	P-RSF 60-025-*/14.5/NPT	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	Instruments with separate power and signal circuits in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RSF 63-030-*/14.5/NPT	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. 1/2-14NPT Conduit Entry Thread.	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSF 63-233-*/14.5/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSF 66-318-*/14.5/NPT	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
8	P-RSF 71-219-*/14.5/NPT	ITC/PLTC PVC Plum 6x16 AWG Foil/Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RSF 71-329-*/14.5/NPT	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		

See page K129 - K130 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting; 7-pin recommends 7/8" (22.0 mm).

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RKF 321-880-*/14.75/NPT	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-*M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations.	1. GN/YE 2. BN 3. BU
	P-RKF 33-187-*/14.75/NPT	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-*M [†]	3/4-14NPT Conduit Entry Thread.	1. GN 2. BK 3. WH
	P-RKF 51-108-*/14.75/NPT	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RKF 52-972-*/14.75/NPT	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-*M [†]	Discrete I/O Devices in Class I, Division 2 Hazardous Locations or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKF 55-099-*/14.75/NPT	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-*M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RKF 55-328-*/14.75/NPT	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-*M [†]	3/4-14NPT Conduit Entry Thread.	

See page K129 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
3	P-RKF 60-025-*/14.75/NPT	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	Instruments with separate power and signal circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RKF 63-030-*/14.75/NPT	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKF 63-233-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKF 66-318-*/14.75/NPT	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
9	P-RKF 71-219-*/14.75/NPT	ITC/PLTC PVC Plum 6x16 AWG Foil/Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RKF 71-329-*/14.75/NPT	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN

See page K129 - K130 for dimensional drawings.

- * Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting; 7-pin recommends 1-1/16" (27.0 mm).

- [†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RSF 321-880-*/14.75/NPT	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880- [†] M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. GN/YE 2. BN 3. BU
	P-RSF 33-187-*/14.75/NPT	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187- [†] M [†]		1. GN 2. BK 3. WH
	P-RSF 51-108-*/14.75/NPT	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108- [†] M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RSF 52-972-*/14.75/NPT	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972- [†] M [†]	Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RSF 55-099-*/14.75/NPT	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099- [†] M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. 3/4-14NPT Conduit Entry Thread.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RSF 55-328-*/14.75/NPT	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328- [†] M [†]		

See page K129 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
4	P-RSF 60-025-*/14.75/NPT	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	<i>Instruments with separate power and signal circuits in Class I, Division 2 hazardous locations or unclassified locations.</i> 3/4-14NPT Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RSF 63-030-*/14.75/NPT	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations.</i> 3/4-14NPT Conduit Entry Thread.	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSF 63-233-*/14.75/NPT	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSF 66-318-*/14.75/NPT	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
10	P-RSF 71-219-*/14.75/NPT	ITC/PLTC PVC Plum 6x16 AWG Foil/Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RSF 71-329-*/14.75/NPT	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		

See page K129 - K130 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting; 7-pin recommends 1-1/16" (27.0 mm).

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK

Process Wiring Products

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RKF 321-880-*/M20	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-*/M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.	1. GN/YE 2. BN 3. BU
	P-RKF 33-187-*/M20	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-*/M [†]		1. GN 2. BK 3. WH
	P-RKF 51-108-*/M20	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-*/M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RKF 52-972-*/M20	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-*/M [†]	Discrete I/O Devices in Class I, Division 2 Hazardous Locations or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKF 55-099-*/M20	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-*/M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RKF 55-328-*/M20	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-*/M [†]		

See page K129 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Female Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
5	P-RKF 60-025-*/M20	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	<i>Instruments with separate power and signal circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.</i>	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RKF 63-030-*/M20	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.</i>	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKF 63-233-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKF 66-318-*/M20	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
11	P-RKF 71-219-*/M20	ITC/PLTC PVC Plum 6x16 AWG Foil/Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.</i>	1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RKF 71-329-*/M20	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN

See page K129 - K130 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

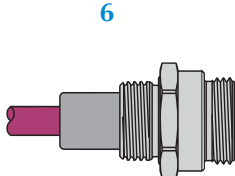
TURCK

Process Wiring Products

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RSF 321-880-*/M20	ITC/PLTC PVC Yellow 3x18 AWG 105°C 7.2 mm OD Cable #RF50880-.*M [†]	Discrete I/O devices in Class I, Division 2 hazardous locations** or unclassified locations.	1. GN/YE 2. BN 3. BU
	P-RSF 33-187-*/M20	ITC/PLTC PVC Grey 3x18 AWG 105°C 7.2 mm OD Cable #RF51187-.*M [†]		1. GN 2. BK 3. WH
	P-RSF 51-108-*/M20	ITC/PLTC PVC Plum 4x18 AWG, 1 Shielded Triad with GND Foil/Drain (20) 105°C 8.1 mm OD Cable #RF51108-.*M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.	1. BU 2. BN 3. GN/YE 4. Drain 5. BK
	P-RSF 52-972-*/M20	ITC/PLTC PVC Grey 5x18 AWG 105°C 7.2 mm OD Cable #RF50972-.*M [†]	Discrete I/O Devices in Class I, Division 2 Hazardous Locations** or Unclassified Locations.	1. BK 2. WH 3. GY 4. BN 5. BU
	P-RSF 55-099-*/M20	ITC/PLTC PVC Plum 4x16 AWG, 1 Shielded Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51099-.*M [†]	Discrete or analog 3-wire circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.	1. WH 2. BK 3. GN 4. RD 5. Drain
	P-RSF 55-328-*/M20	ITC/PLTC PVC Blue 4x16 AWG, 1 Triad with GND Foil/Drain (18) 105°C 10.4 mm OD Cable #RF51328-.*M [†]		

See page K129 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Cable, Additional Analog or Discrete Control Circuits

- Male Receptacles
- IEC IP 67 Protection
- 300 V, 9 A
(use as ITC limited to 150 V, 5 A)



Housing Style	Part Number	Cable	Application	Pinout
	P-RSF 60-025-*/M20	ITC/PLTC PVC Plum 5x16 AWG, 1 STP plus 1 Triad Foil/Drain (18) 105°C 12.5 mm OD Cable #RF51025-*M [†]	<i>Instruments with separate power and signal circuits in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.</i>	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RSF 63-030-*/M20	ITC/PLTC PVC Yellow 6x16 AWG 105°C 9.6 mm OD Cable #RF51030-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.</i>	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSF 63-233-*/M20	ITC-Exposed Run/Direct Burial/PLTC PVC Plum 6x16 AWG 105°C 11.2 mm OD Cable #RF51233-*M [†]		1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSF 66-318-*/M20	ITC/PLTC PVC Plum 5x18 AWG, 2 STP with GND Foil/Drain (20) 105°C 7.9 mm OD Cable #RF51318-*M [†]		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. Drain
	P-RSF 71-219-*/M20	ITC/PLTC PVC Plum 6x16 AWG Foil/Drain (18) 105°C 9.6 mm OD Cable #RF51219-*M [†]	<i>Discrete I/O devices in Class I, Division 2 hazardous locations or unclassified locations. M20 Conduit Entry Thread.</i>	1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN
	P-RSF 71-329-*/M20	ITC/PLTC PVC Blue 6x16 AWG Foil Drain (18) 105°C 9.6 mm OD Cable #RF51329-*M [†]		1. WH 2. BK 3. Drain 4. RD 5. OG 6. BU 7. GN

See page K129 - K130 for dimensional drawings.

* Length in meters. Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

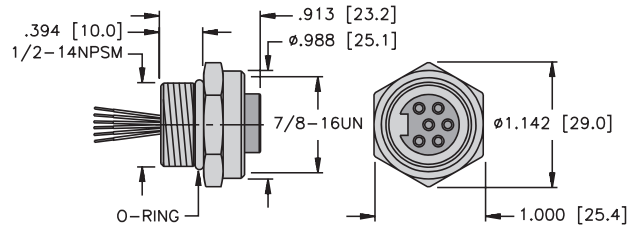
[†] See pages K236 - K244 for **reelfast**® cable information.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

Notes:

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

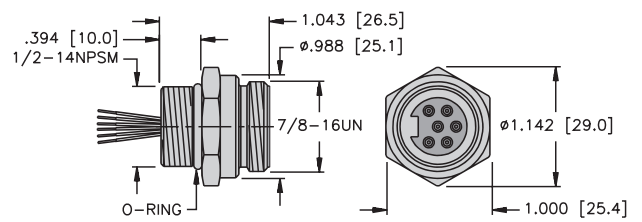
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P-RKF ..

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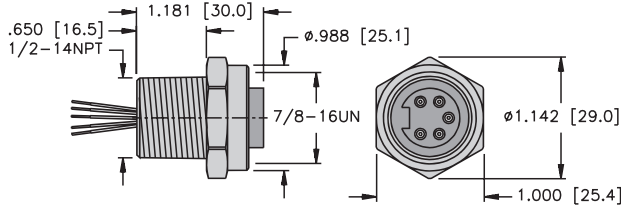
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P-RSF ..

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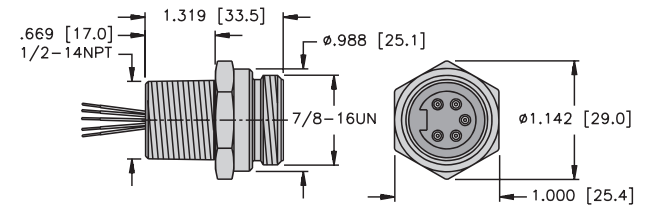
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"A" P-RKF .. 14.5/NPT

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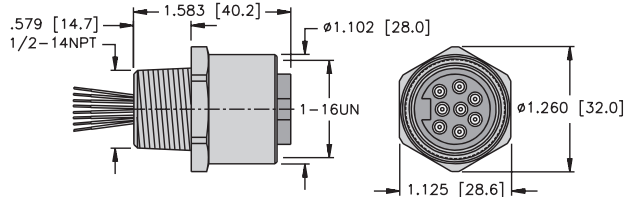
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"A" P-RSF .. 14.5/NPT

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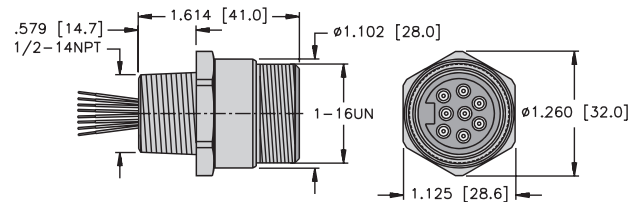
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"B" P-RKF .. 14.5/NPT

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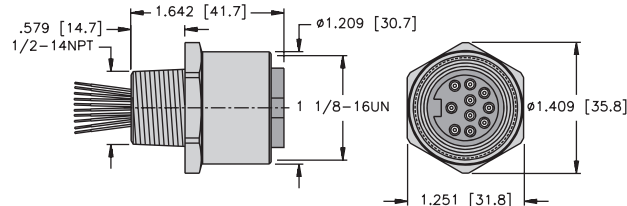
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"B" P-RSF .. 14.5/NPT

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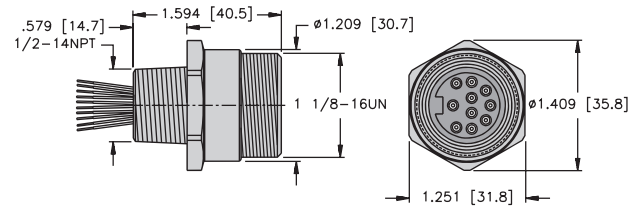
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"C" P-RKF .. 14.5/NPT

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8

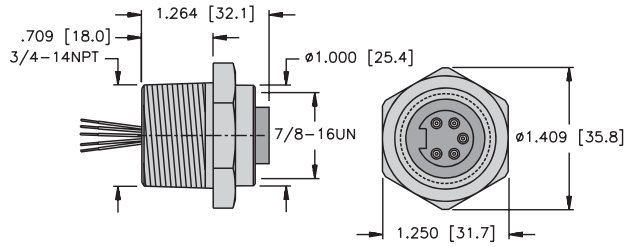


"C" P-RSF .. 14.5/NPT

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minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

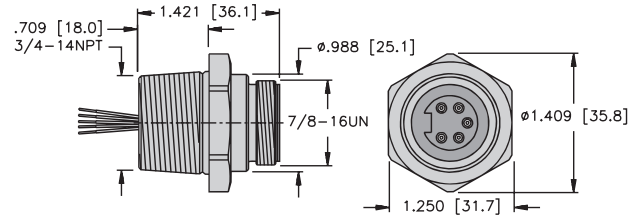
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"A" P-RKF .. 14.75/NPT

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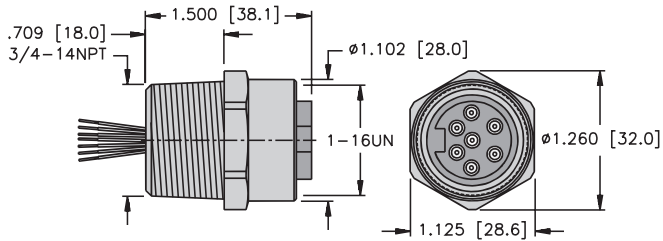
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"A" P-RSF .. 14.75/NPT

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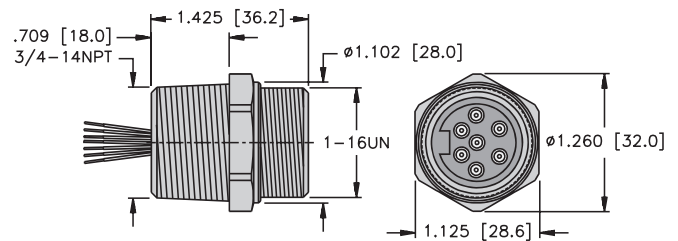
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"B" P-RKF .. 14.75/NPT

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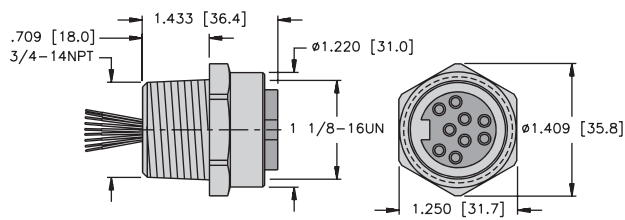
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"B" P-RSF .. 14.75/NPT

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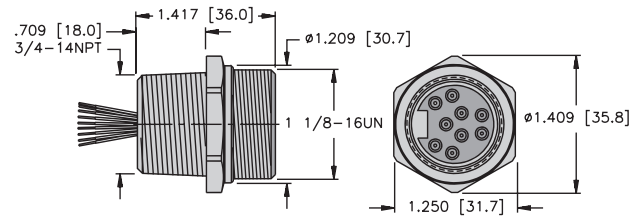
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"C" P-RKF .. 14.75/NPT

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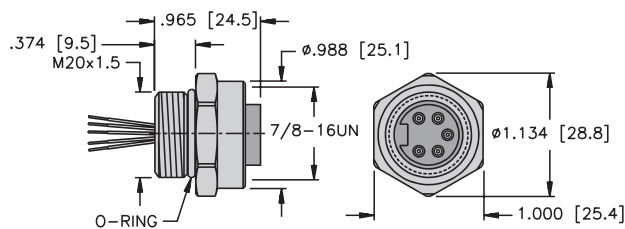
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"C" P-RSF .. 14.75/NPT

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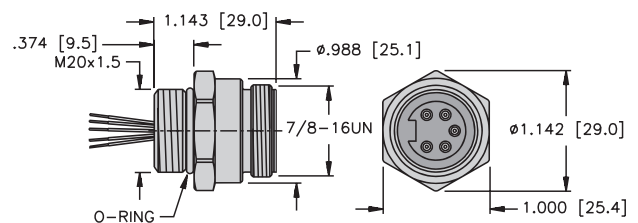
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"A" P-RKF .. M20

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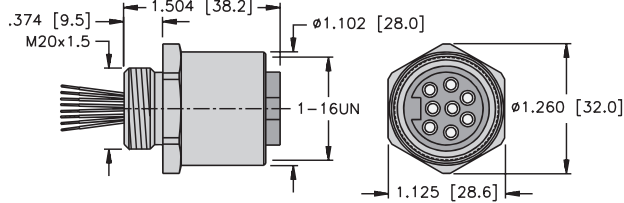


"A" P-RSF .. M20

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minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

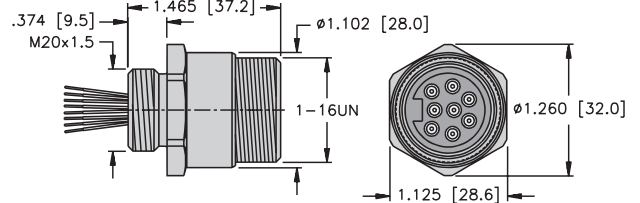
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"B" P-RKF .. M20

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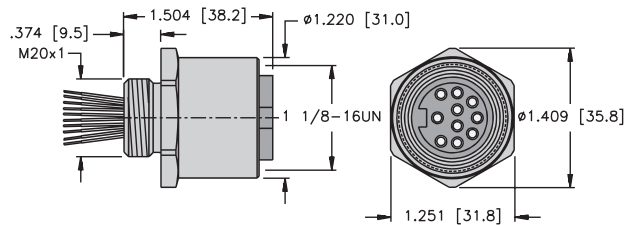
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"B" P-RSF .. M20

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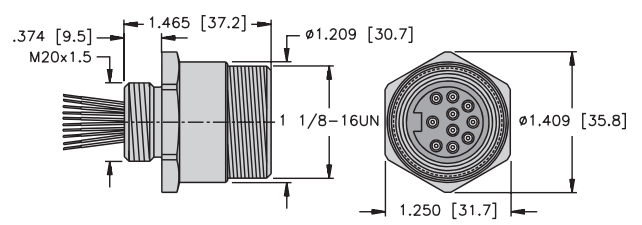
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"C" P-RKF .. M20

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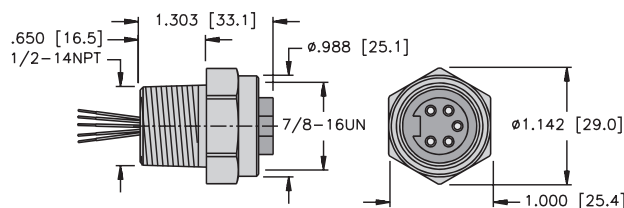
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"C" P-RSF .. M20

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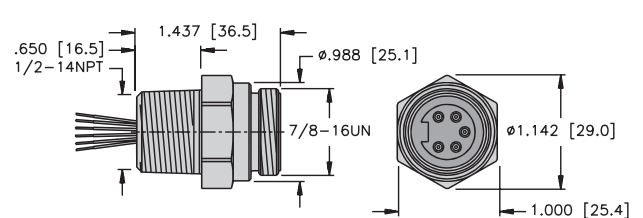
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"A" P-RKF .. EX-14.5/NPT

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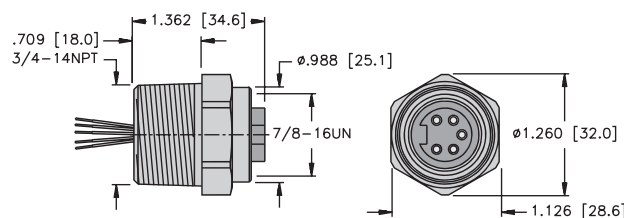
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"A" P-RSF .. EX-14.5/NPT

Pages K163 - K164

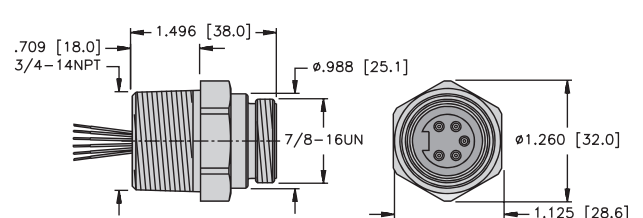
23



"A" P-RKF .. EX-14.75/NPT

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"A" P-RSF .. EX-14.75/NPT

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Process Wiring Products

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKF 442-*	UL, CSA 4x18 AWG 105°C 600 V, 9 A	1/2-14NPSM Threads	1. BK 2. WH 3. RD 4. GN
	P-RKF 45-*	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN
	P-RKF 52-*	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKF 60D-*	UL, CSA 6x16 AWG 105°C 600 V, 9 A	1/2-14NPSM Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RKF 63-*		1/2-14NPSM Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU

See page K144 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.

Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSF 442-*	UL, CSA 4x18 AWG 105°C 600 V, 9 A	1/2-14NPSM Threads	1. BK 2. WH 3. RD 4. GN
	P-RSF 45-*	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN
	P-RSF 52-*	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU
	P-RSF 60D-*	UL, CSA 6x16 AWG 105°C 600 V, 9 A	1/2-14NPSM Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RSF 63-*		1/2-14NPSM Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU

See page K144 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
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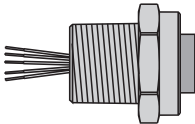
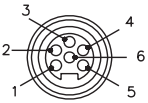
TURCK

Process Wiring Products

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout	
	P-RKF 44-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	1/2-14NPT Threads	1. BU 2. BN 3. WH 4. BK	
	P-RKF 442-*/14.5/NPT			1. BK 2. WH 3. RD 4. GN	
	P-RKF 45-*/14.5/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN	
	P-RKF 52-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU	
	P-RKF 56-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH	
	P-RKF 60-*/14.5/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C	
	P-RKF 60D-*/14.5/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY	
	P-RKF 63-*/14.5/NPT		1/2-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU	

See page K144 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.

Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
5 	P-RKF 70-*/14.5/NPT	UL, CSA 7x18 AWG 105°C 600 V, 8 A	1/2-14NPT Threads	1. BU 2. BN 3. GY 4. WH 5. BK 6. GY 7. GN/YE
	P-RKF 80-*/14.5/NPT	UL, CSA 8x18 AWG 105°C 600 V, 8 A		1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN
	P-RKF 100-*/14.5/NPT	UL, CSA 10x18 AWG 105°C 600 V, 8 A		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. GY 8. GN/YE 9. WH/OG 10. OG/WH

See page K144 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

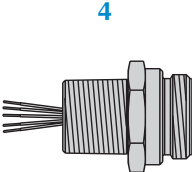
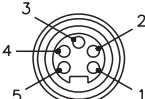
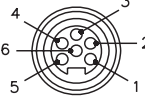
TURCK

Process Wiring Products

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout	
	P-RSF 44-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	1/2-14NPT Threads	1. BU 2. BN 3. WH 4. BK	
	P-RSF 442-*/14.5/NPT			1. BK 2. WH 3. RD 4. GN	
	P-RSF 45-*/14.5/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN	
	P-RSF 52-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU	
	P-RSF 56-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH	
	P-RSF 60-*/14.5/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C	
	P-RSF 60D-*/14.5/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY	
	P-RSF 63-*/14.5/NPT		1/2-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU	

See page K144 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.

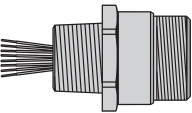
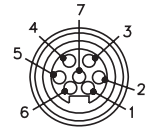
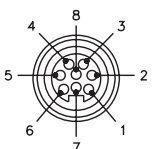
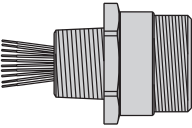
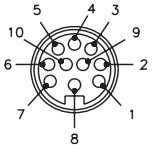
Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
6 	P-RSF 70-*/14.5/NPT	UL, CSA 7x18 AWG 105°C 600 V, 8 A	1/2-14NPT Threads	1. BU 2. BN 3. GY 4. WH 5. BK 6. GY 7. GN/YE 
	P-RSF 80-*/14.5/NPT	UL, CSA 8x18 AWG 105°C 600 V, 8 A		1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN 
8 	P-RSF 100-*/14.5/NPT	UL, CSA 10x18 AWG 105°C 600 V, 8 A		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. GY 8. GN/YE 9. WH/OG 10. OG/WH 

See page K144 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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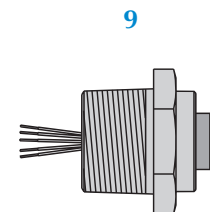
Process Wiring Products

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKF 44-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	3/4-14NPT Threads	1. BU 2. BN 3. WH 4. BK
	P-RKF 442-*/14.75/NPT			1. BK 2. WH 3. RD 4. GN
	P-RKF 45-*/14.75/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN
	P-RKF 52-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKF 56-*/14.75/NPT			1. BK 2. BU 3. GN/YE 4. BN 5. WH
	P-RKF 60-*/14.75/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C
	P-RKF 60D-*/14.75/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RKF 63-*/14.75/NPT		3/4-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU



See page K145 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.

Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
11 	P-RKF 70-*/14.75/NPT	UL, CSA 7x18 AWG 105°C 600 V, 8 A	3/4-14NPT Threads	1. BU 2. BN 3. GY 4. WH 5. BK 6. GY 7. GN/YE
	P-RKF 80-*/14.75/NPT	UL, CSA 8x18 AWG 105°C 600 V, 8 A		1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN
	P-RKF 100-*/14.75/NPT	UL, CSA 10x18 AWG 105°C 600 V, 8 A		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. GY 8. GN/YE 9. WH/OG 10. OG/WH
13 				

See page K145 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
 Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

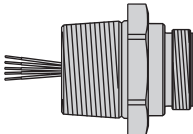
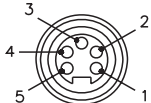
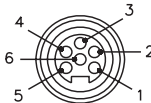
TURCK

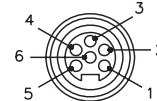
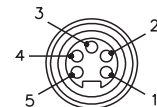
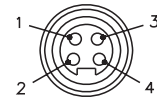
Process Wiring Products

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout	
	P-RSF 44-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	3/4-14NPT Threads	1. BU 2. BN 3. WH 4. BK	
	P-RSF 442-*/14.75/NPT			1. BK 2. WH 3. RD 4. GN	
	P-RSF 45-*/14.75/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN	
	P-RSF 52-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU	
	P-RSF 56-*/14.75/NPT			1. BK 2. BU 3. GN/YE 4. BN 5. WH	
	P-RSF 60-*/14.75/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C	
	P-RSF 60D-*/14.75/NPT	UL, CSA 6x16 AWG 105°C 600 V, 8 A	3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY	
	P-RSF 63-*/14.75/NPT		3/4-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU	



See page K145 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.

Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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Housing Style	Part Number	Lead Specs	Features	Pinout
12 	P-RSF 70-*/14.75/NPT	UL, CSA 7x18 AWG 105°C 600 V, 8 A	3/4-14NPT Threads	1. BU 2. BN 3. GY 4. WH 5. BK 6. GY 7. GN/YE
	P-RSF 80-*/14.75/NPT	UL, CSA 8x18 AWG 105°C 600 V, 8 A		1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN
14 	P-RSF 100-*/14.75/NPT	UL, CSA 10x18 AWG 105°C 600 V, 8 A		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. GY 8. GN/YE 9. WH/OG 10. OG/WH

See page K145 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
 Receptacles recommend 1-1/16" (27.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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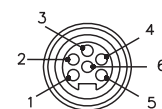
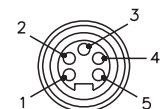
Process Wiring Products

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RKF 44-*/M20	UL, CSA 4x18 AWG 105°C 600 V, 9 A	M20 Threads	1. BU 2. BN 3. WH 4. BK
	P-RKF 442-*/M20			1. BK 2. WH 3. RD 4. GN
	P-RKF 45-*/M20	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN
	P-RKF 52-*/M20	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKF 56-*/M20	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH
	P-RKF 60-*/M20	UL, CSA 5x16 AWG 105°C 600 V, 9 A	M20 Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C
	P-RKF 60D-*/M20	UL, CSA 6x16 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RKF 63-*/M20		M20 Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU



See page K145 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.

Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
17 	P-RKF 70-*/M20	UL, CSA 7x18 AWG 105°C 600 V, 8 A	M20 Threads	1. BU 2. BN 3. GY 4. WH 5. BK 6. GY 7. GN/YE
	P-RKF 80-*/M20	UL, CSA 8x18 AWG 105°C 600 V, 8 A		1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN
19 	P-RKF 100-*/M20	UL, CSA 10x18 AWG 105°C 600 V, 8 A		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. GY 8. GN/YE 9. WH/OG 10. OG/WH

See page K146 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RKF.."; "P-RKFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

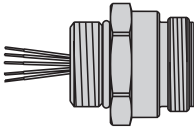
TURCK

Process Wiring Products

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout	
 16	P-RSF 44-*/M20	UL, CSA 4x18 AWG 105°C 600 V, 9 A	M20 Threads	1. BU 2. BN 3. WH 4. BK	
	P-RSF 442-*/M20			1. BK 2. WH 3. RD 4. GN	
	P-RSF 45-*/M20	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN	
	P-RSF 52-*/M20	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU	
	P-RSF 56-*/M20	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH	
	P-RSF 60-*/M20	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C	
	P-RSF 60D-*/M20	UL, CSA 6x16 AWG 105°C 600 V, 9 A	M20 Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY	
	P-RSF 63-*/M20		M20 Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU	

See page K145 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.

Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.

Note: See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Receptacles with Leads, Additional Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Lead Specs	Features	Pinout
18 	P-RSF 70-*/M20	UL, CSA 7x18 AWG 105°C 600 V, 8 A	M20 Threads	1. BU 2. BN 3. GY 4. WH 5. BK 6. GY 7. GN/YE
	P-RSF 80-*/M20	UL, CSA 8x18 AWG 105°C 600 V, 8 A		1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN
20 	P-RSF 100-*/M20	UL, CSA 10x18 AWG 105°C 600 V, 8 A		1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. GY 8. GN/YE 9. WH/OG 10. OG/WH

See page K146 for dimensional drawings.

- * Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "P-RSF.."; "P-RSFV.." indicates 316 stainless steel.
 Receptacles recommend 13/16" (21.0 mm) hole for panel mounting.
 Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

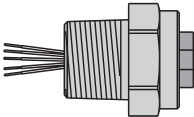
TURCK

Process Wiring Products

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout	
21 	P-RKFV 44 EX-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. WH 4. BK	
	P-RKFV 45 EX-*/14.5/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN	
	P-RKFV 52 EX-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU	
	P-RKFV 55 EX-*/14.5/NPT	UL, CSA 4x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. GN 4. RD 5. N/C	
	P-RKFV 56 EX-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH	

See page K146 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

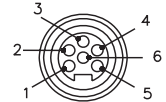
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout
21	P-RKFV 60 EX-*/14.5/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C
	P-RKFV 60D EX-*/14.5/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RKFV 63 EX-*/14.5/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKFV 65 EX-*/14.5/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH 6. N/C
	P-RKFV 66 EX-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C



See page K146 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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Process Wiring Products

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSFV 44 EX-*/14.5/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. WH 4. BK
	P-RSFV 45 EX-*/14.5/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN
	P-RSFV 52 EX-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU
	P-RSFV 55 EX-*/14.5/NPT	UL, CSA 4x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. GN 4. RD 5. N/C
	P-RSFV 56 EX-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH

See page K146 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout
22	P-RSFV 60 EX-*/14.5/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C
	P-RSFV 60D EX-*/14.5/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RSFV 63 EX-*/14.5/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 1/2-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSFV 65 EX-*/14.5/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH 6. N/C
	P-RSFV 66 EX-*/14.5/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C

See page K146 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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Process Wiring Products

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout
23	P-RKFV 44 EX-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. WH 4. BK
	P-RKFV 45 EX-*/14.75/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN
	P-RKFV 52 EX-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU
	P-RKFV 55 EX-*/14.75/NPT	UL, CSA 4x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. GN 4. RD 5. N/C
	P-RKFV 56 EX-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH

See page K146 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

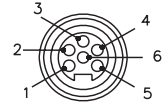
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Female Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout
23	P-RKFV 60 EX-*/14.75/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C
	P-RKFV 60D EX-*/14.75/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RKFV 63 EX-*/14.75/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RKFV 65 EX-*/14.75/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH 6. N/C
	P-RKFV 66 EX-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C



See page K146 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

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Process Wiring Products

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSFV 44 EX-*/14.75/NPT	UL, CSA 4x18 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. WH 4. BK
	P-RSFV 45 EX-*/14.75/NPT	UL, CSA 3x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. N/C 4. GN
	P-RSFV 52 EX-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. WH 3. GY 4. BN 5. BU
	P-RSFV 55 EX-*/14.75/NPT	UL, CSA 4x16 AWG 105°C 600 V, 9 A		1. WH 2. BK 3. GN 4. RD 5. N/C
	P-RSFV 56 EX-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH

See page K146 for dimensional drawings.

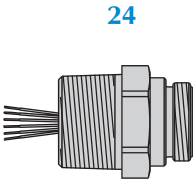
* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

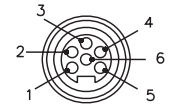
Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

minifast® Explosionproof Feed-Thru Recept w/Leads, Add. Analog or Discrete Control Circuits

- Male Receptacles
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection
- For installation of explosionproof devices in Division 2 or feeding intrinsically safe circuits into or out of explosionproof enclosures



Housing Style	Part Number	Lead Specs	Features	Pinout
	P-RSFV 60 EX-*/14.75/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C
	P-RSFV 60D EX-*/14.75/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads, Drain Wire	1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. GY
	P-RSFV 63 EX-*/14.75/NPT	UL, CSA 6x16 AWG 105°C 600 V, 9 A	Explosionproof Receptacle, 3/4-14NPT Threads	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	P-RSFV 65 EX-*/14.75/NPT	UL, CSA 5x16 AWG 105°C 600 V, 9 A		1. BK 2. BU 3. GN/YE 4. BN 5. WH 6. N/C
	P-RSFV 66 EX-*/14.75/NPT	UL, CSA 5x18 AWG 105°C 600 V, 9 A		1. BU 2. BN 3. GN/YE 4. WH 5. BK 6. N/C



See page K146 for dimensional drawings.

* Length in meters. Standard lead length is 0.3 meters. Consult factory for other lengths.
Standard housing material is 316 stainless steel.

Note: See **TURCK** Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd for guidance on installation in hazardous locations.

TURCK
Process Wiring Products



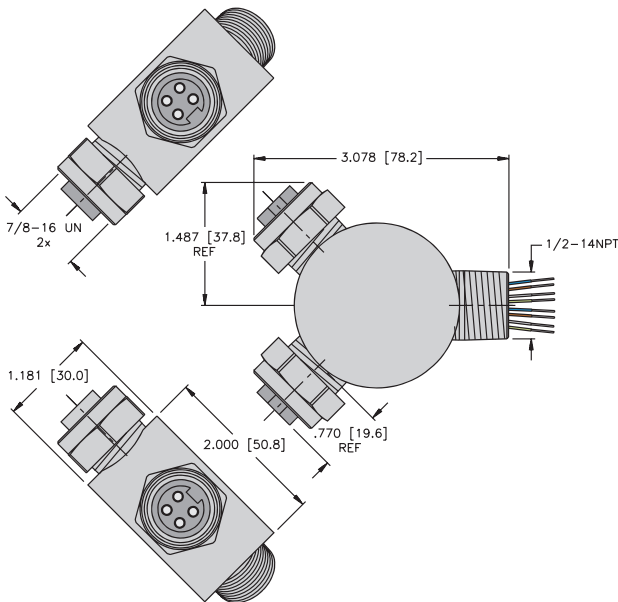
minifast® "Y" Fittings, Additional Analog or Discrete Circuits

- 600 V
- Installs in Standard Conduit Entries
- 9 A Per Conductor
- Stainless Steel Housing

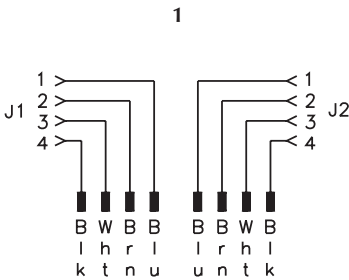
Specifications	Wiring Dia.	Housing Material	1/2-14NPT				3/4-14NPT	
			J1	J2	P1	P2	P1	J2
			Female	Female	Male	Male	Male	Female
4/18 AWG leads per connector	1	SS	P-2RK FV-44EX-*/14.5/NPT	P-2RS FV-44EX-*/14.5/NPT	P-RS FV RK FV-44EX-*/14.5/NPT	P-2RS FV RK FV-44EX-*/14.5/NPT	P-2RK FV-44EX-*/14.75/NPT	P-2RK FV-44EX-*/14.75/NPT

* Length in meters.
SS = Stainless steel

Dimensions



Wiring Diagram

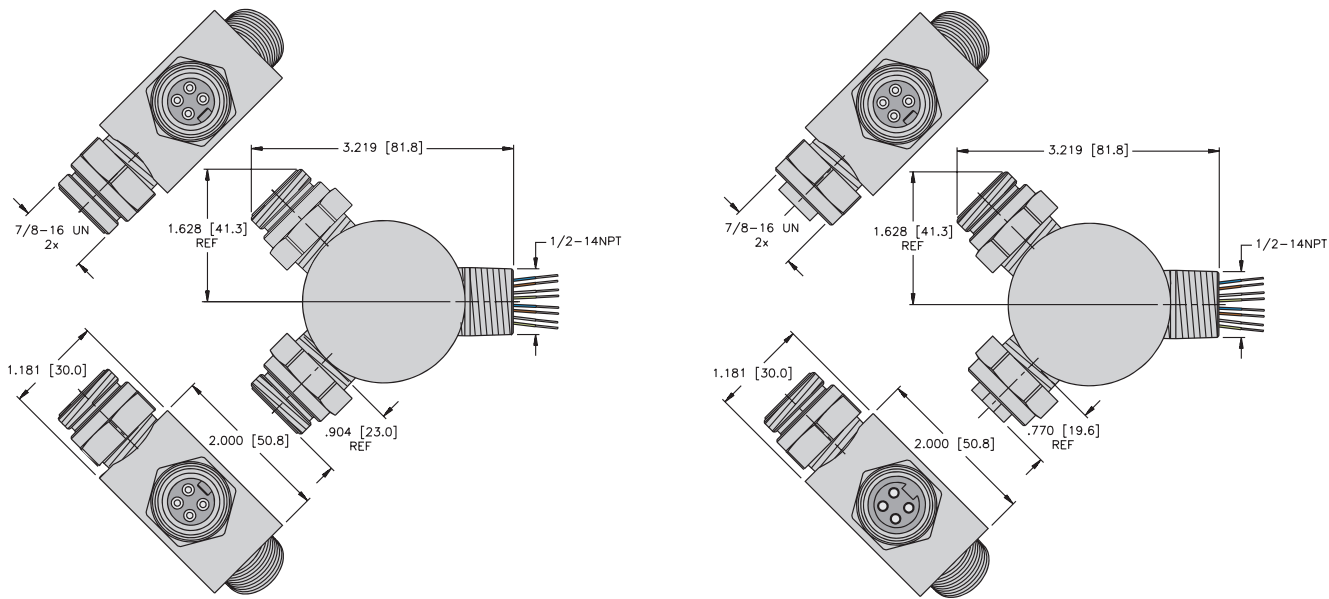


Specifications

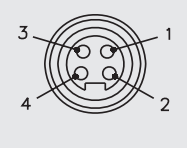
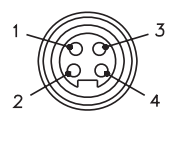
- Housing:** 316 stainless steel (SS), passivated.
Contact Carrier: PUR black.
Electrical Ratings: 600 V, 9 A per conductor.
Temperature: -30° to +105°C (-22° to +221°F).
Contacts: Gold plated brass.
Protection: IP 67 (only when all receptacles are mated or covered with plugs).
Leads: High flex stranding, PVC, insulated, 600 V, UL recognized, CSA certified.

3/4-14NPT				M20x1.5					
P1	P2	P1	J2	J1	J2	P1	P2	P1	J2
Male	Male	Male	Female	Female	Female	Male	Male	Male	Female
P-2RSFV-44EX-*/14.75/NPT		P-RSFV RKFV-44EX-*/14.75/NPT		P-2RKfV-44EX-*/M20		P-2RSFV-44EX-*/M20		P-RSFV RKFV-44EX-*/M20	

Dimensions



Pinouts

Female	Male
	
4-Pin	4-Pin

TURCK

Process Wiring Products



multibox® minifast® Metal Junction Boxes

- Consolidation of Analog or Discrete Circuits in Hazardous Locations or Unclassified Locations



FM approved for installation in hazardous locations when installed per **TURCK** Control Drawing QCF-00147 (www.turck.com/fmcd) using specified accessory equipment.
 "/C" versions CSA certified for installation in hazardous locations when installed per **TURCK** Control Drawing Ni-2.404(www.turck.com/fmcd) using certified accessory equipment.

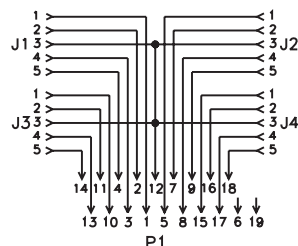
4-port, Common Ground and Shield

Application	Specifications	Pinout				Nickel Plated Brass	Stainless Steel
4-port cast aluminum junction box, minifast port connectors, multifast ® home-run connector, 4-wire discrete signal per port	19-pin multifast connector, 19 conductors	Port, Pin	Home-Run	Port, Pin	Home-Run	P-4 RKF 56-CS19	P-4 RKFV 56-CSV19
		Port 1, Pin 1	1	Port 3, Pin 2	11		
4-port cast aluminum junction box, minifast port connectors, multifast home-run connector, 2 analog signals per port	19-pin multifast connector, 16 conductors plus drain	Port 1, Pin 2	2	Ports 1-8, Pin 3	12	P-4 RKF 56-CS19/C	P-4 RKFV 56-CSV19/C
		Port 1, Pin 4	3	Port 3, Pin 4	13		
		Port 1, Pin 5	4	Port 3, Pin 5	14		
		Port 2, Pin 1	5	Port 4, Pin 1	15		
		NC	6	Port 4, Pin 2	16		
		Port 2, Pin 2	7	Port 4, Pin 4	17		
		Port 2, Pin 4	8	Port 4, Pin 5	18		
		Port 2, Pin 5	9	NC	19		
		Port 3, Pin 1	10				
		Port, Pin	Home-Run	Port, Pin	Home-Run	P-4 RKF 66-CS19	P-4 RKFV 66-CSV19
		Port 1, Pin 1	1	Port 3, Pin 2	11		
		Port 1, Pin 2	2	Ground	12	P-4 RKF 66-CS19/C	P-4 RKFV 66-CSV19/C
		Port 1, Pin 4	3	Port 3, Pin 4	13		
		Port 1, Pin 5	4	Port 3, Pin 5	14		
		Port 2, Pin 1	5	Port 4, Pin 1	15		
		Shield	6	Port 4, Pin 2	16		
		Port 2, Pin 2	7	Port 4, Pin 4	17		
		Port 2, Pin 4	8	Port 4, Pin 5	18		
		Port 2, Pin 5	9	NC	19		
		Port 3, Pin 1	10				

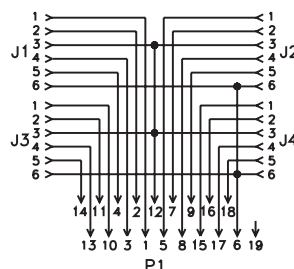
See pages K85 and K89 for mating home run cordsets.

Wiring Diagrams

4-Wire Discrete



2 Analog Signals Per Port



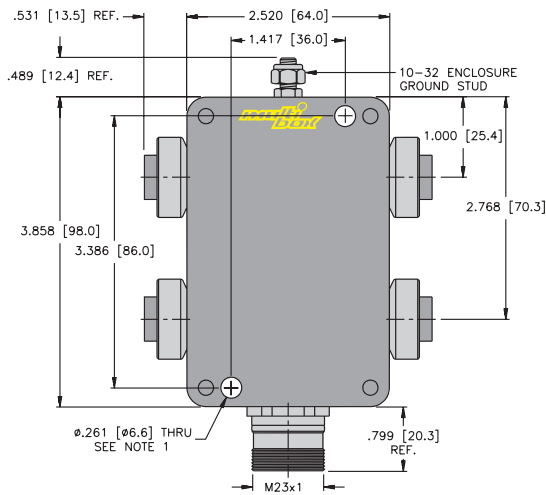


Specifications

Housing:	Die-cast aluminum alloy.
Connectors	Nickel plated brass or 316 stainless steel housings (see table), oil resistant PUR contact carrier.
Temperature:	-30° to +80°C (-22° to +176°F).
Contacts:	Gold plated brass.
Protection:	IP 67.
Electrical Rating:	Standard Version: 150 V, 4 A per conductor. "C" Versions: 30 V, 600 mA

Dimensions

4-Port



- Notes:
1. Clearance hole for 1/4-20 mounting screws (2 not included)

Pinouts

Female		Male
6-Pin minifast®	5-Pin minifast	19-Pin multifast

TURCK

Process Wiring Products

multifast® Home Run Cordsets, Additional Analog or Discrete Control Circuits

- Female Connectors
- IEC IP 67 Protection



Housing Style	Part Number	Cable	Features	Pinout
P-CKM .. P-CKML .. (for Class I, Division 2 applications)	P-CKM 12-088-*			
P-CKWM .. P-CKWML .. (for Class I, Division 2 applications)	P-CKWM 12-088-*	ITC/PLTC PVC Yellow 11x18 AWG Foil/Drain (20) 105°C 10 mm OD 300 V, 6 A Cable #RF51088-*M†	<i>Discrete control circuits in Class I, Division 2 hazardous locations or unclassified locations.</i>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8, and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "CKM(L).." / "CKWM(L).." ; "CKM(L)V.." / "CKWM(L)V" indicates 316 stainless steel.
† See pages K236 - K244 for **reelfast®** cable information.

multifast® Home Run Cordsets, Additional Analog or Discrete Control Circuits

- Male Connectors
- IEC IP 67 Protection



Housing Style	Part Number	Cable	Features	Pinout
P-CSM .. P-CSML .. (for Class I, Division 2 applications)	P-CSM 12-088-*			
P-CSWM .. P-CSWML .. (for Class I, Division 2 applications)	P-CSWM 12-088-*	ITC/PLTC PVC Yellow 11x18 AWG Foil/Drain (20) 105°C 10 mm OD 300 V, 6 A Cable #RF51088-*M†	<i>Discrete control circuits in Class I, Division 2 hazardous locations or unclassified locations.</i>	1. BN 2. N/C 3. BU 4. WH 5. GN 6. YE 7. GY 8. PK 9. RD 10. BK 11. VT 12. GN/YE

* Length in meters. Standard cable lengths are 2, 4, 6, 8, and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "CSM(L).." / "CSWM(L).." ; "CSM(L)V.." / "CSWM(L)V" indicates 316 stainless steel.
† See pages K236 - K244 for **reelfast®** cable information.

TURCK
Process Wiring Products

Notes:

NAMUR Circuits Selection Guide



M12 eurofast® Thread	Drop Cordsets	2-Branch Molded Junctions	Junction Boxes
Pages	D179 - D182	D183 - D186	D187 - D190



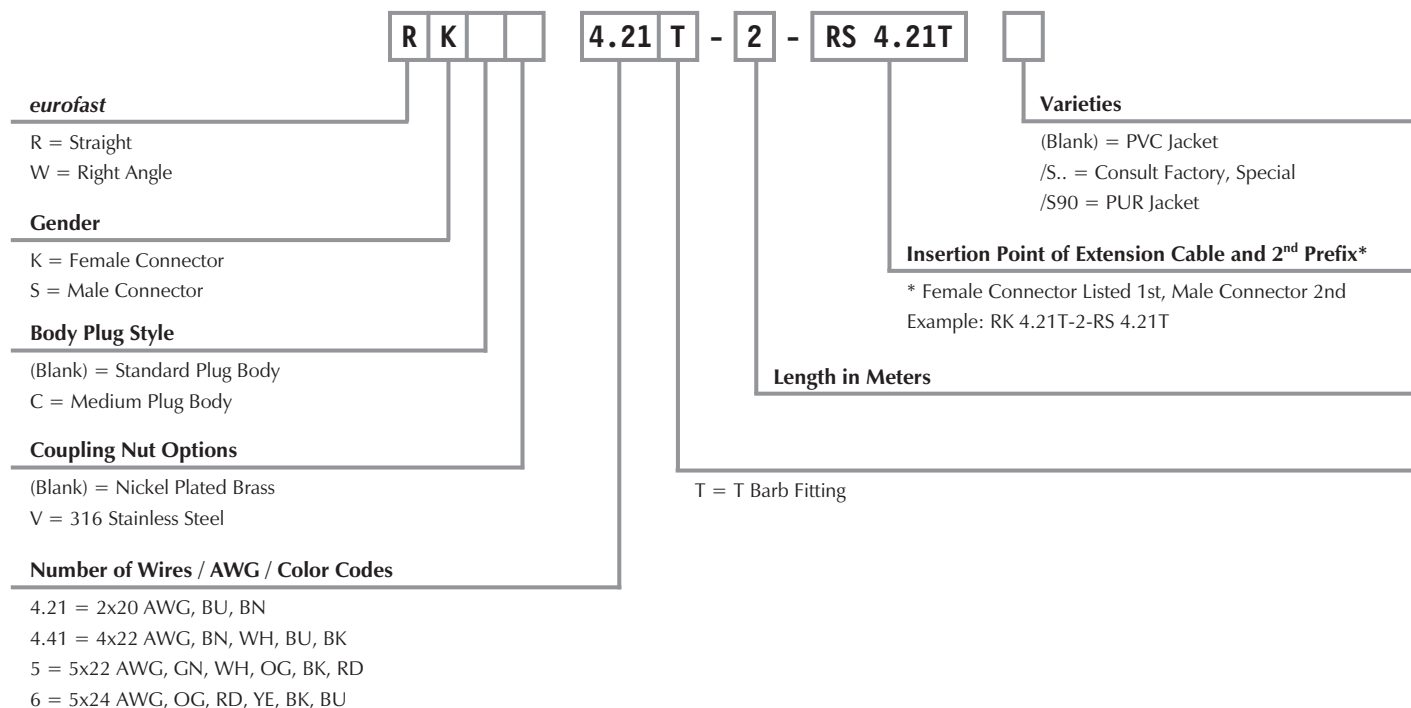
M23 multifast® Thread	Cordsets
Pages	D191 - D193

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Process Wiring Products

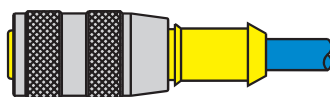
eurofast® NAMUR Cordset Part Number Key, Class I, Division 1 Hazardous Locations

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Single Ended Example:

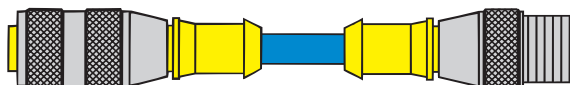
R K 4.21 T - 2



RK ..

Extension Example:

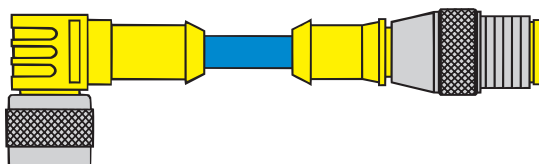
R K 4.21 T - 2 - RS 4.21 T



RK .. - RS ..

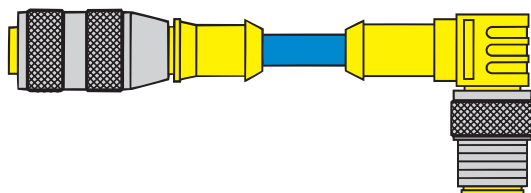
eurofast® NAMUR Cordset Extensions

Other Extension Examples:



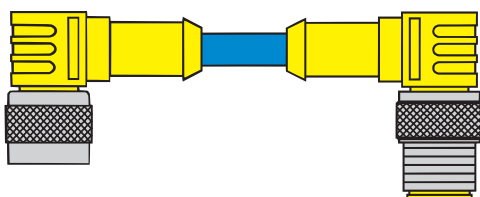
WK .. - RS ..

W	K	4.21	T	-	2	-	RS	4.21	T
---	---	------	---	---	---	---	----	------	---



RK .. - WS ..

R	K	4.21	T	-	2	-	WS	4.21	T
---	---	------	---	---	---	---	----	------	---



WK .. - WS ..

W	K	4.21	T	-	2	-	WS	4.21	T
---	---	------	---	---	---	---	----	------	---

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Process Wiring Products

2, 4, 5 and 6-Wire *eurofast*® Drop Cordsets, NAMUR

- Straight Female Connectors
- For Use With NAMUR Sensors
- NEMA 1, 3, 4, 6P and IEC IP 68 Protection



Housing Style	Part Number	Cable	Features		Pinout
RK .. RKC ..	RK 4.21T-*	AWM PVC NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF20003-*M [†]	<i>flexlife</i> ®		
	RK 4.21T-*/S90	AWM PUR NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF50657-*M [†]	<i>Cut/Abrasion Immune</i>		
	RK 4.41T-*	AWM PVC NAMUR Blue 4x22 AWG 105°C 5.2 mm OD Cable #RF50598-*M [†]	<i>flexlife</i>	1. BN 2. WH 3. BU 4. BK	
	RKCN 5T-*	PLTC PVC NAMUR Blue 5x22 AWG 105°C 6.8 mm OD Cable #RF50767-*M [†]	<i>flexlife, 22 AWG, Over 2 million cycles, for VBN 40-H1141 multibox</i>	1. GN 2. WH 3. OG 4. BK 5. RD	
	RKC 6T-*/S90/CS10476	AWM PUR NAMUR Blue 5x24 AWG Foil/Drain 105°C 60 VAC/75 VDC, 2 A 5.7 mm OD Cable #RF50928-*M [†]	<i>Cut/Abrasion Immune</i>	1. OR 2. RD 3. YE 4. BK 5. BU 6. Drain	

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "RK©"; "RK(C)V.." indicates 316 stainless steel.

[†] See pages K236 - K244 for *reelfast*® cable information.

2, 4, 5 and 6-Wire *euromast*® Drop Cordsets, NAMUR

- Straight Male Connectors
- For Use With NAMUR Sensors
- NEMA 1, 3, 4, 6P and IEC IP 68 Protection



Housing Style	Part Number	Cable	Features		Pinout
RS .. RSC ..	RS 4.21T-*	AWM PVC NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF20003-*M [†]	<i>flexlife</i> ®		
	RS 4.21T-*/S90	AWM PUR NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF50657-*M [†]	<i>Cut/Abrasion Immune</i>		
	RS 4.41T-*	AWM PVC NAMUR Blue 4x22 AWG 105°C 5.2 mm OD Cable #RF50598-*M [†]	<i>flexlife</i>	1. BN 2. WH 3. BU 4. BK	
	RSCN 5T-*	PLTC PVC NAMUR Blue 5x22 AWG 105°C 6.8 mm OD Cable #RF50767-*M [†]	<i>flexlife, 22 AWG, Over 2 million cycles, for VBN 40-H1141 multibox</i>	1. GN 2. WH 3. OG 4. BK 5. RD	
	RSC 6T-*/S90/CS10476	AWM PUR NAMUR Blue 5x24 AWG Foil/Drain 105°C 60 VAC/75 VDC, 2 A 5.7 mm OD Cable #RF50928-*M [†]	<i>Cut/Abrasion Immune</i>	1. OG 2. RD 3. YE 4. BK 5. BU 6. Drain	

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "RS©"; "RS(C)V.." indicates 316 stainless steel.

[†] See pages K236 - K244 for *reelfast*® cable information.

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Process Wiring Products

2, 4, 5 and 6-Wire *eurofast*® Drop Cordsets, NAMUR

- Right Angle Female Connectors
- For Use With NAMUR Sensors
- NEMA 1, 3, 4, 6P and IEC IP 68 Protection



Housing Style	Part Number	Cable	Features		Pinout
WK .. WKC ..	WK 4.21T-*	AWM PVC NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF20003-*M [†]	<i>flexlife</i> ®		
	WK 4.21T-*/S90	AWM PUR NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF50657-*M [†]	<i>Cut/Abrasion Immune</i>		
	WK 4.41T-*	AWM PVC NAMUR Blue 4x22 AWG 105°C 5.2 mm OD Cable #RF50598-*M [†]	<i>flexlife</i>	1. BN 2. WH 3. BU 4. BK	
	WKN 5T-*	PLTC PVC NAMUR Blue 5x22 AWG 105°C 6.8 mm OD Cable #RF50767-*M [†]	<i>flexlife, 22 AWG, Over 2 million cycles, for VBN 40-H1141 multibox</i>	1. GN 2. WH 3. OG 4. BK 5. RD	
	WKC 6T-*/S90/CS10476	AWM PUR NAMUR Blue 5x24 AWG Foil/Drain 105°C 60 VAC/75 VDC, 2 A 5.7 mm OD Cable #RF50928-*M [†]	<i>Cut/Abrasion Immune</i>	1. OG 2. RD 3. YE 4. BK 5. BU 6. Drain	

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "WK©"; "WK(C)V.." indicates 316 stainless steel.

[†] See pages K236 - K244 for *reelfast*® cable information.

2, 4, 5 and 6-Wire *euromast*® Drop Cordsets, NAMUR

- Right Angle Male Connectors
- For Use With NAMUR Sensors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing Style	Part Number	Cable	Features		Pinout
WS .. WSC ..	WS 4.21T-*	AWM PVC NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF20003-*M†	<i>flexlife</i> ®	1. BN 2. BU 3. N/C 4. N/C	
	WS 4.21T-*/S90	AWM PUR NAMUR Blue 2x20 AWG 105°C 5.2 mm OD Cable #RF50657-*M†	<i>Cut/Abrasion Immune</i>		
	WS 4.41T-*	AWM PVC NAMUR Blue 4x22 AWG 105°C 5.2 mm OD Cable #RF50598-*M†	<i>flexlife</i>	1. BN 2. WH 3. BU 4. BK	
	WSCN 5T-*	PLTC PVC NAMUR Blue 5x22 AWG 105°C 6.8 mm OD Cable #RF50767-*M†	<i>flexlife, 22 AWG, Over 2 million cycles, for VBN 40-H1141 multibox</i>	1. GN 2. WH 3. OG 4. BK 5. RD	
	WSC 6T-*/S90/CS10476	AWM PUR NAMUR Blue 5x24 AWG Foil/Drain 105°C 60 VAC/75 VDC, 2 A 5.7 mm OD Cable #RF50928-*M†	<i>Cut/Abrasion Immune</i>	1. OG 2. RD 3. YE 4. BK 5. BU 6. Drain	

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass "WS©"; "WS(C)V.." indicates 316 stainless steel.

† See pages K236 - K244 for *reelfast*® cable information.

eurofast® 2 - Branch Molded Junctions, NAMUR Wiring

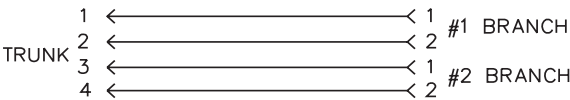
- Combine Two NAMUR Sensors into One Cable
- Tough Polyurethane Construction
- For use with NAMUR Junction Boxes



Application	Specifications	Wiring	Housing	Part Number
Combine 2 NAMUR sensors into one cable	250 V 4 A	NAMUR		VB2-FSM 4.41/2FKM 4.21
Combine 2 NAMUR sensors into one cable	250 V 4 A RS 4.41T = Blue PVC 5.2 mm OD, 4/22 AWG			VB2-RS 4.41T-*/2FKM 4.21
Combine 2 NAMUR sensors into one cable	250 V 4 A RK 4.21T = Blue PVC 5.2 mm OD, 2/20 AWG			VB2-FSM 4.41/2RK 4.21T-*/*
Combine 2 NAMUR sensors into one cable	250 V 4 A Blue PVC, 5.2 mm OD RK 4.21T – 2/20 AWG RS 4.41T – 4/22 AWG			VB2-RS 4.41T-*/2RK 4.21T-*/*

* Length in meters.

NAMUR Diagram



Junction Body:	Oil resistant yellow polyurethane.
Connector:	Oil resistant polyurethane body material, Nylon or PUR contact carrier, spacings to VDE 0110 Group C.
Contacts:	Gold plated brass.
Coupling Nuts:	Nickel plated brass.
Cable:	See table.
Temperature:	-40° to +105°C (-40° to +221°F).
Protection:	NEMA 1,3,4,6P and IEC IP 68.

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

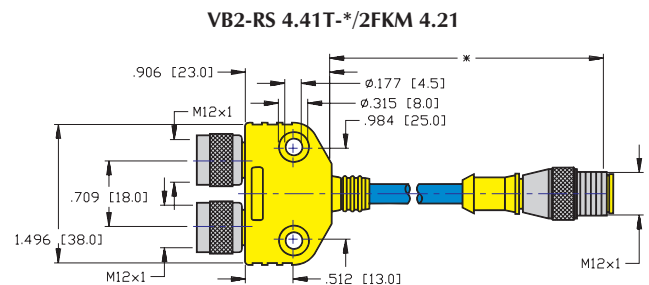
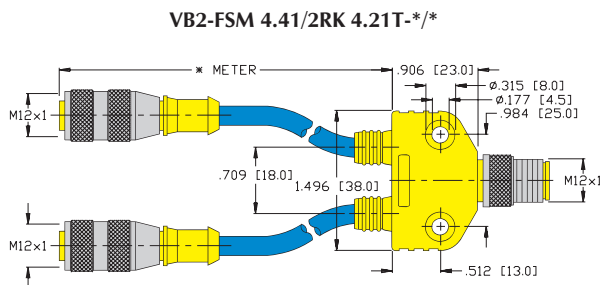
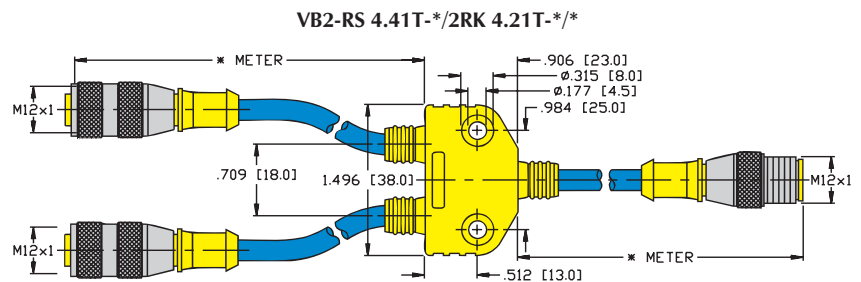
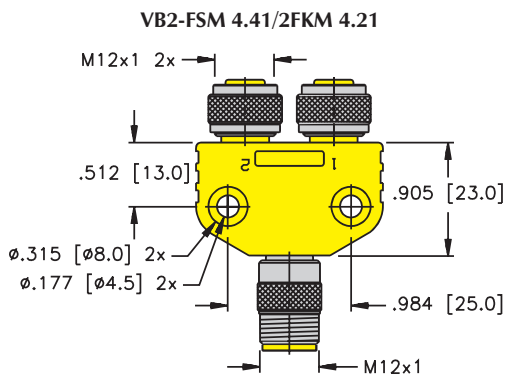
Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.



Pinouts

Female	Male
4-Pin eurofast®	4-Pin eurofast

TURCK
Process Wiring Products

eurofast® 2 - Branch Molded Junctions, NAMUR Wiring

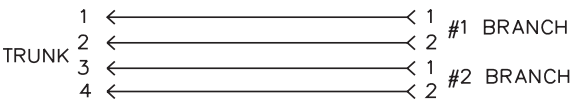
- Combine Two NAMUR Sensors into One Cable
- eurofast Connection Features Anti-Vibration Coupling Nut (main leg only)



Application	Specifications	Wiring	Housing	Part Number
Combine 2 NAMUR sensors into one cable. Connects directly to eurofast junction box.	250 V 4 A 2/20 AWG Blue PVC 5.2 mm OD	NAMUR		VBRS 4.41-2RK 4.21T-*/*

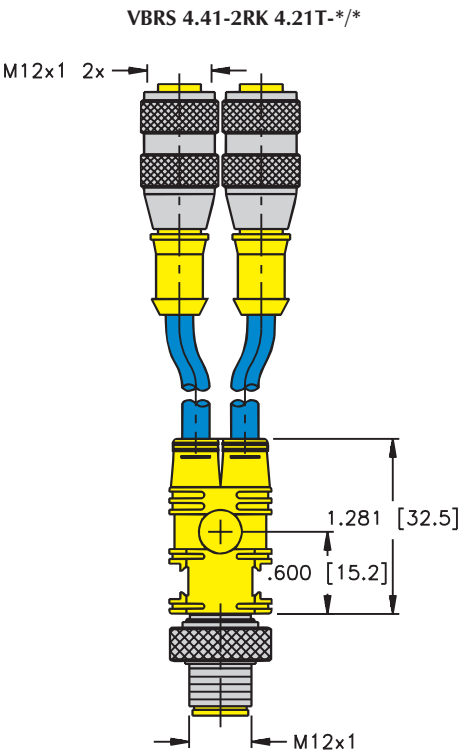
* Length in meters.
To add mounting hole; add /S857 to the end of the part number.

NAMUR Diagram

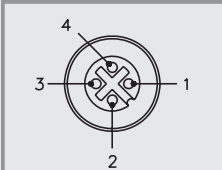
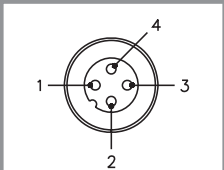


Connector:	Oil resistant yellow polyurethane Nylon or PUR contact carrier, spacings to VDE 0110 Group C.
Contacts:	Gold plated brass, machined from solid stock.
Coupling Nuts:	Nickel plated brass.
Cable:	See table.
Conductors:	High flex stranding, PVC insulation.
Temperature:	-40° to +105°C (-40° to +221°F).
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67.
Accessories:	KS 5/10 labels included.

Cable Length: Branches - nominal 0.3 meters. Other lengths available by request - consult factory.



Pinouts

Female	Male
	
4-Pin eurofast®	4-Pin eurofast

TURCK

Process Wiring Products



multibox® eurofast® Junction Boxes, NAMUR, 1 Circuit Per Port

- 4 Port
- Rugged Plastic Housing with Flush Connectors
- Quick Disconnect or Integral Home Run Cable
- For use with NAMUR Sensors

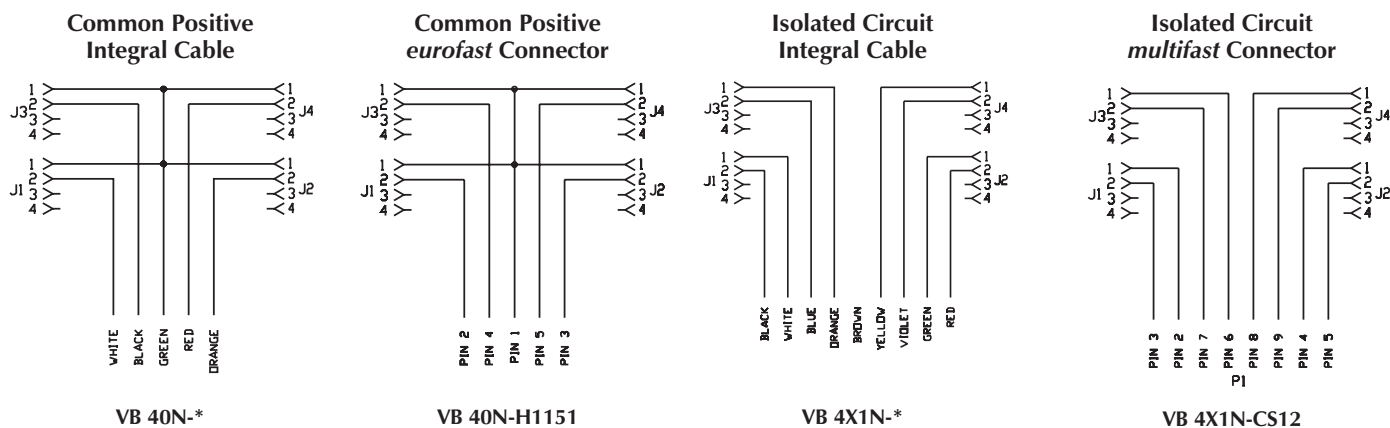
1 Circuit Per Port, Common Positive, 100 VDC

Application	Specifications	Pinout				Part Number
4-port J-box 1 circuit per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 5/22 AWG	<u>Function</u> +V	<u>Color</u> GN	<u>Function</u> J1/Pin 2 J2/Pin 2 J3/Pin 2 J4/Pin 2	<u>Color</u> WH OG BK RD	VB 40N-*
4-port J-box 1 circuit per port eurofast connector	4 A/port, 4 A total 5-pin eurofast connector 5 conductors Mates with RKC 5T-*	<u>Function</u> +V	<u>Pin / Color</u> 1/GN	<u>Function</u> J1/Pin 2 J2/Pin 2 J3/Pin 2 J4/Pin 2	<u>Pin / Color</u> 2/WH 3/OG 4/BK 5/RD	VB 40N-H1151

1 Circuit Per Port, Isolated Circuits, 100 VDC

Application	Specifications	Pinout				Part Number
4-port J-box 1 circuit per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 9/22 AWG	<u>Function</u> J1/Pin 1 J1/Pin 2 J2/Pin 1 J2/Pin 2	<u>Color</u> WH BK GN RD Brown not used	<u>Function</u> J3/Pin 1 J3/Pin 2 J4/Pin 1 J4/Pin 2	<u>Color</u> OG BU YE VT	VB 4X1N-*
4-port J-box 1 circuit per port multifast ® connector	4 A/port, 8 A total 12-pin multifast connector 9 conductors Mates with CKNWM 12-9-*	<u>Function</u> J1/Pin 1 J1/Pin 2 J2/Pin 1 J2/Pin 2	<u>Pin / Color</u> 2/WH 3/BK 4/GN 5/RD Pin 1/Bn not used	<u>Function</u> J3/Pin 1 J3/Pin 2 J4/Pin 1 J4/Pin 2	<u>Pin / Color</u> 6/OG 7/BU 8/YE 9/VT	VB 4X1N-CS12

Functional Wiring Diagrams



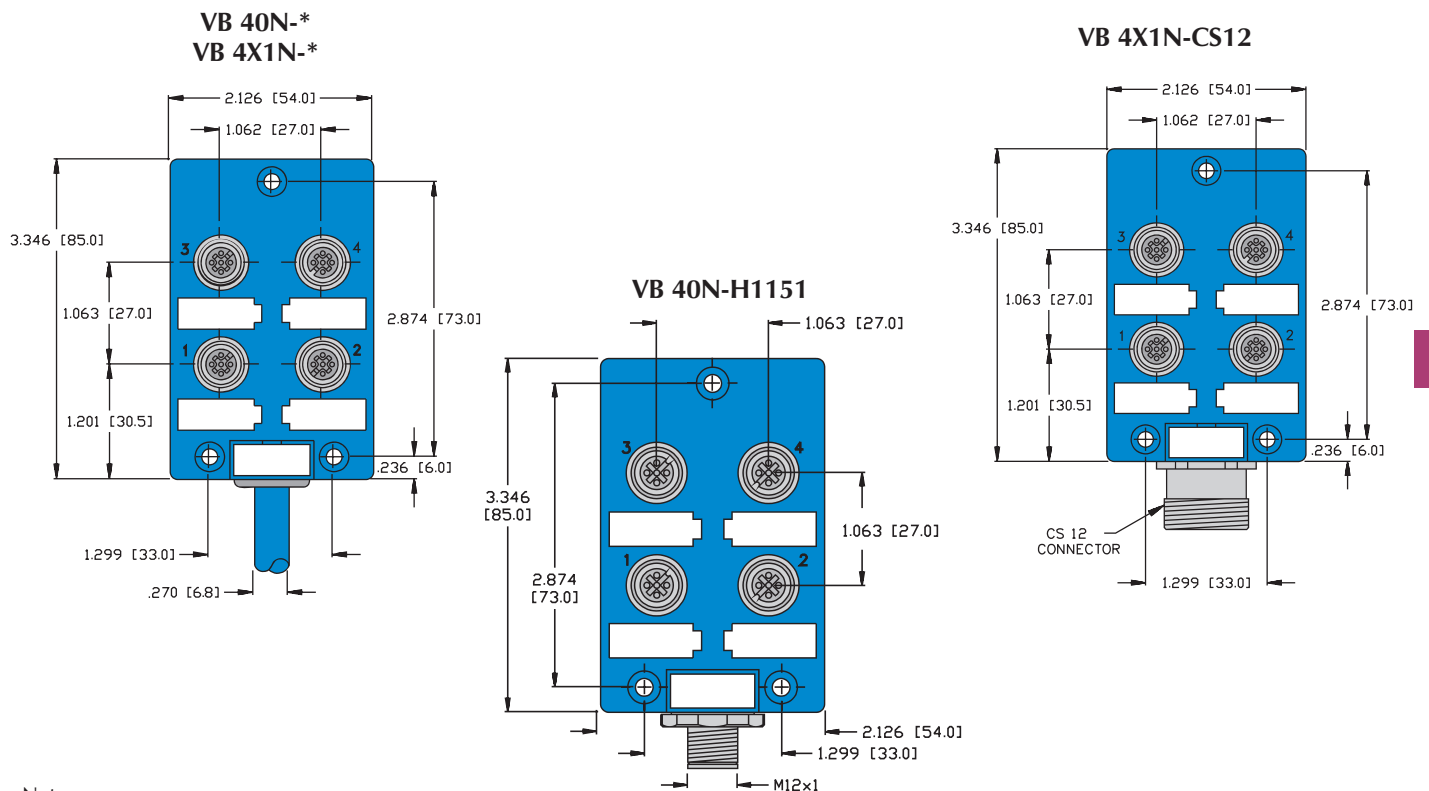
Specifications

Housing:	Nylon.
Connectors:	eurofast ®: Nylon or PUR, spacings to VDE 0110 Group C.
Contacts:	Gold plated brass, machined from solid stock.
Thread Inserts:	Nickel plated brass.
Cable:	See table.
Temperature:	-30° to +80°C (-22° to +176°F).
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67.
Accessories:	(2) VZ 3 closure caps and one VZ 1 label kit (8 labels) included.

Cable Length:

Standard length for junction boxes and **multifast**® series quick disconnect cordsets is nominal 5 meters.
Other lengths available by request. Consult factory.

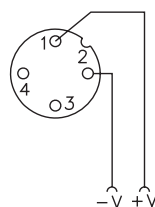
Dimensions



Notes:

1. Removable labels included (Part number VZ 1).
2. Clearance hole for #8 screw (3 places).
3. Housings with integral cable: 23.0 mm thickness. Housings with quick disconnect: 33.0 mm thickness.

Pinout Diagram



TURCK

Process Wiring Products



multibox® eurofast® Junction Boxes, NAMUR, 2 Circuits Per Port

- 4 Ports
- Rugged Plastic Housing with Flush Connectors
- Quick Disconnect or Integral Home Run Cable
- For use with NAMUR Sensors

2 Circuits Per Port, Common Positive, 100 VDC

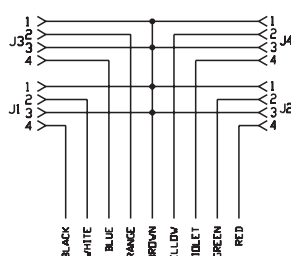
Application	Specifications	Pinout				Part Number
4-port J-box 2 circuits per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 9/22 AWG	<u>Function</u> V+ J1/Pin 2 J1/Pin 4 J2/Pin 2 J2/Pin 4	<u>Color</u> BN WH BK GN RD	<u>Function</u> J3/Pin 2 J3/Pin 4 J4/Pin 2 J4/Pin 4	<u>Color</u> OG BU YE VT	VB 40.5N-*
4-port J-box 2 circuits per port multifast® connector	4 A/port, 8 A total 12-pin multifast connector 9 conductors Mates with CKNWM 12-9-*	<u>Function</u> V+ J1/Pin 2 J1/Pin 4 J2/Pin 2 J2/Pin 4	<u>Pin / Color</u> 1/BN 2/WH 3/BK 4/GN 5/RD	<u>Function</u> J3/Pin 2 J3/Pin 4 J4/Pin 2 J4/Pin 4	<u>Pin / Color</u> 6/OG 7/BU 8/YE 9/VT	VB 40.5N-CS12

2 Circuits Per Port, Isolated Circuits, 100 VDC

Application	Specifications	Pinout				Part Number
4-port J-box 2 circuits per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 16/22 AWG	<u>Function</u> J1/Pin 1 J1/Pin 2 J1/Pin 3 J1/Pin 4 J2/Pin 1 J2/Pin 2 J2/Pin 3 J2/Pin 4	<u>Color</u> WH BK GN RD OG BU BN YE	<u>Function</u> J3/Pin 1 J3/Pin 2 J3/Pin 3 J3/Pin 4 J4/Pin 1 J4/Pin 2 J4/Pin 3 J4/Pin 4	<u>Color</u> VT GY PK TN WH/BK WH/GN WH/RD WH/BU	VB 4X1.5N-*
4-port J-box 2 circuits per port multifast connector	4 A/port, 8 A total 16-pin multifast connector 16 conductors Mates with CKNWM 16-16-*	<u>Function</u> J1/Pin 1 J1/Pin 2 J1/Pin 3 J1/Pin 4 J2/Pin 1 J2/Pin 2 J2/Pin 3 J2/Pin 4	<u>Pin / Color</u> 1/WH 2/BK 3/GN 4/RD 5/OG 6/BU 7/BN 8/YE	<u>Function</u> J3/Pin 1 J3/Pin 2 J3/Pin 3 J3/Pin 4 J4/Pin 1 J4/Pin 2 J4/Pin 3 J4/Pin 4	<u>Pin / Color</u> 9/VT 10/GY 11/PK 12/TN 13/WH/BK 14/WH/GN 15/WH/RD 16/WH/BU	VB 4X1.5N-CS16

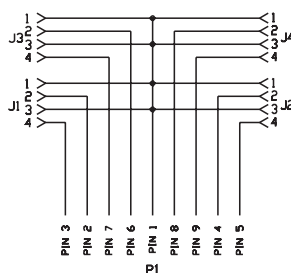
Functional Wiring Diagrams

**Common Positive
Integral Cable**



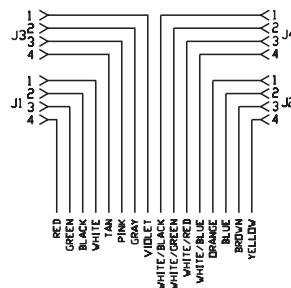
VB 40.5N-*

**Common Positive
multifast Connector**



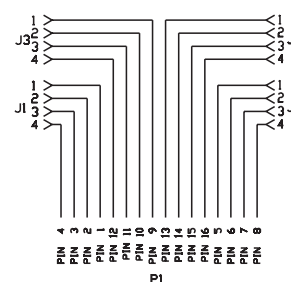
VB 40.5N-CS12

**Isolated Circuit
Integral Cable**



VB 4X1.5N-*

**Isolated Circuit
multifast Connector**



VB 4X1.5N-CS16

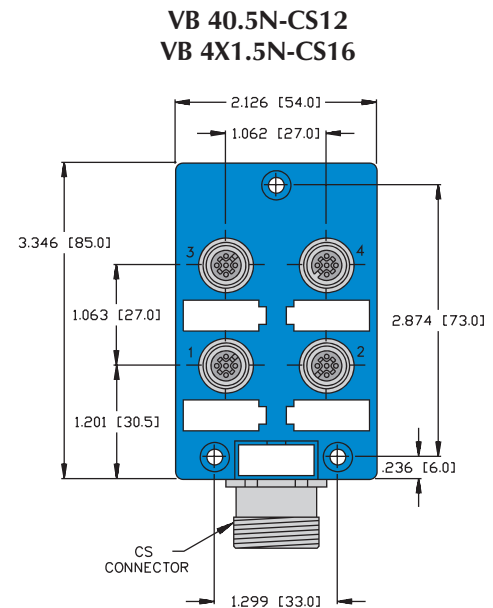
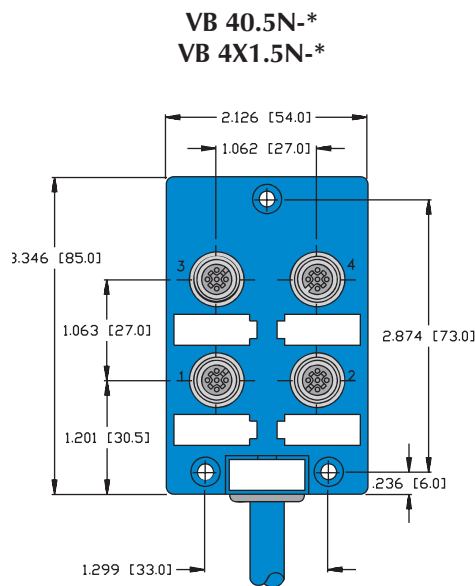
Specifications

Housing:	Nylon.
Connectors:	eurofast ®: Nylon or PUR, spacings to VDE 0110 Group C.
Contacts:	Gold plated brass, machined from solid stock.
Thread Inserts:	Nickel plated brass.
Cable:	See table.
Temperature:	-30° to +80°C (-22° to +176°F).
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67.
Accessories:	(2) VZ 3 closure caps and one VZ 1 label kit (8 labels) included.

Cable Length:

Standard length for junction boxes and **multifast**® series quick disconnect cordsets is nominal 5 meters.
Other lengths available by request. Consult factory.

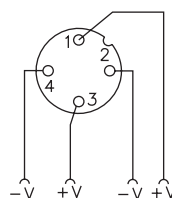
Dimensions



Notes:

1. Removable labels included (Part number VZ 1).
2. Clearance hole for #8 screw (3 places).
3. Housings with integral cable: 23.0 mm thickness. Housings with quick disconnect: 33.0 mm thickness.

Pinout Diagram



TURCK

Process Wiring Products

12 and 16-Pin *multifast*® Cordsets-NAMUR

- Straight Male and Female Connectors
- IEC IP 67 Protection
- 300 V, 3 A



Housing Style	Part Number	Cable	Features	Pinout		
 CKNM.. CSNM..	CKNM 12-9-*	PLTC PVC Blue 9x22 AWG 105°C 6.9 mm OD Cable #RF50741-*M†	For use with junction boxes and for multi-conductor applications	1. BN 2. WH 3. BK 4. GN 5. RD 6. OG 7. BU 8. YE 9. VT 10. N/C 11. N/C 12. N/C		
	CSNM 12-9-*					
	CKNM 16-16-*	PLTC PVC Blue 16x22 AWG 105°C 8.3 mm OD Cable #RF50744-*M†			1. WH 2. BK 3. GN 4. RD 5. OG 6. BU 7. BN 8. YE 9. VT 10. GY 11. PK 12. TN 13. WH/BK 14. WH/GN 15. WH/RD 16. WH/BU	
	CSNM 16-16-*					

* Length in meters.

Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "CK(S)NM.."; "CK(S)NMV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for *reelfast*® cable information.

12 and 16-Pin *multifast*® Cordsets-NAMUR

- Right Angle Male and Female Connectors
- IEC IP 67 Protection
- 300 V, 3 A



Housing Style	Part Number	Cable	Features	Pinout
CKNWM.. CSNWM..	CKNWM 12-9-*	PLTC PVC Blue 9x22 AWG 105°C 6.9 mm OD Cable #RF50741-*M [†]	For use with junction boxes and for multi-conductor applications	
	CSNWM 12-9-*			
	CKNWM 16-16-*	PLTC PVC Blue 16x22 AWG 105°C 8.3 mm OD Cable #RF50744-*M [†]		
	CSNWM 16-16-*			

* Length in meters.

Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "CK(S)NWM.."; "CK(S)NWMV.." indicates 316 stainless steel.

[†] See pages K236 - K244 for *reelfast*® cable information.

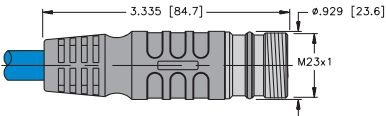
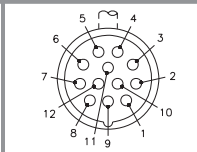
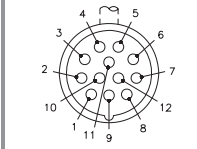
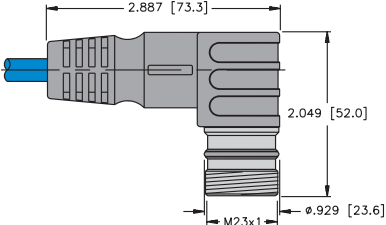
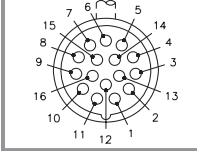
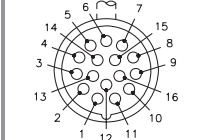
TURCK

Process Wiring Products

12 and 16-Pin *multifast*® Cordsets-NAMUR

- Straight and Right Angle Male Connectors
- IEC IP 67 Protection
- 300 V, 3 A



Housing Style	Part Number	Cable	Features	Pinout		
CSSNM.. 	CSSNM 12-9-*	PLTC PVC Blue 9x22 AWG 105°C 6.9 mm OD Cable #RF50741-.*M†	For use with junction boxes and for multi-conductor applications	1. BN 2. WH 3. BK 4. GN 5. RD 6. OG	7. BU 8. YE 9. VT 10. N/C 11. N/C 12. N/C	
	CSSNWM 12-9-*					
CSSNWM.. 	CSSNM 16-16-*	PLTC PVC Blue 16x22 AWG 105°C 8.3 mm OD Cable #RF50744-.*M†		1. WH 2. BK 3. GN 4. RD 5. OG 6. BU 7. BN 8. YE	9. VT 10. GY 11. PK 12. TN 13. WH/BK 14. WH/GN 15. WH/RD 16. WH/BU	
	CSSNWM 16-16-*					

* Length in meters.

Standard cable length is 5 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "CSSNM.."; "CSSNMV/CSSNWMV.." indicates 316 stainless steel.

† See pages K236 - K244 for *reelfast*® cable information.

Cables and Cordsets for Extreme Applications

TURCK *extremelife* connectors are approved by DNV and ABS for use in marine shipboard environments. **TURCK** also has an entire line of junction boxes for wiring consolidation. From off-the-shelf junctions for 4-20 mA transmitters, to custom boxes for any application, **TURCK** reduces costs by making wiring faster, easier and more reliable.



- ABS Approved
- Certified per IEEE-45
- UL listed for Marine Applications to STD UL 1309
- Meets IEC 332-3 Category A Flame Test
- CSA listed to C22.2 No. 245
- Jacket Material Provides Impact Protection to -50°C (-58°F)
- Available in Multiple Configurations

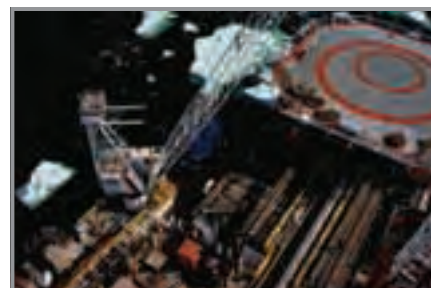
***extreme
life***®



extremelife[®] cables are heavy duty for extreme temperature environments and provide excellent resistance to extreme cold temperatures and oilfield drilling muds. **TURCK** offers multiple single and twisted pair conductor options. **extremelife** cables are available in two jacket types, **extremelife-25** and **extremelife-55**.

The following characteristics are specific to each cable.

Characteristics	<i>extremelife-25</i>	<i>extremelife-55</i>
Cable Gage Range	16 to 22	
UL Rating	UL1309	
CSA Rating	CSA 22.2 No. 245	
ABS Approval No.	03-HS400763-PDA	
IEEE Approvals	IEEE 45-1998 and IEEE 1580-2001	
Flexible Stranding	Yes	
Standard Insulation	T75 and T90 UL and CSA, T75 IEEE	
XLPE Insulation	110X for increased electrical properties required for network applications	
Flame Retardancy	IEEE 1202/FT4 and IEC 332-3 Category A	
Cold Bend Pass Temperature	-40°C (-40°F)	-55°C (-67°F)
Cold Impact Pass Temperature	Good	-50°C (-58°F)
Cut through and Abrasion Resistance	Good	Excellent
Moisture and Oil Resistance	Excellent	
Installation Handling	Good	
Oilfield Drilling Mud Resistance	Excellent	
Braided Armor	Available with or without	
Sunlight Resistance	Yes	



extremelife® cables have been extensively tested in various drilling muds/fluids. Samples of five different drilling fluids were used to evaluate how **extremelife** cables handle harsh environments. Cable samples were placed in the muds and put in a test oven at +65.6°C (+150°F). Shrink/swell and tensile strength/elongation were monitored throughout a 28 day aging test.

The **extremelife** cables, with their exclusive jacket materials, were compared with the industry standard neoprene cables. All tested cables passed the tensile strength and elongation tests. The **extremelife** cables proved to be much more stable in size through the tests when compared to the neoprene jacketed cables.

Drilling Mud Types Used:

- Water based
- Synthetic based (two types)
- Diesel based
- Mineral oil based

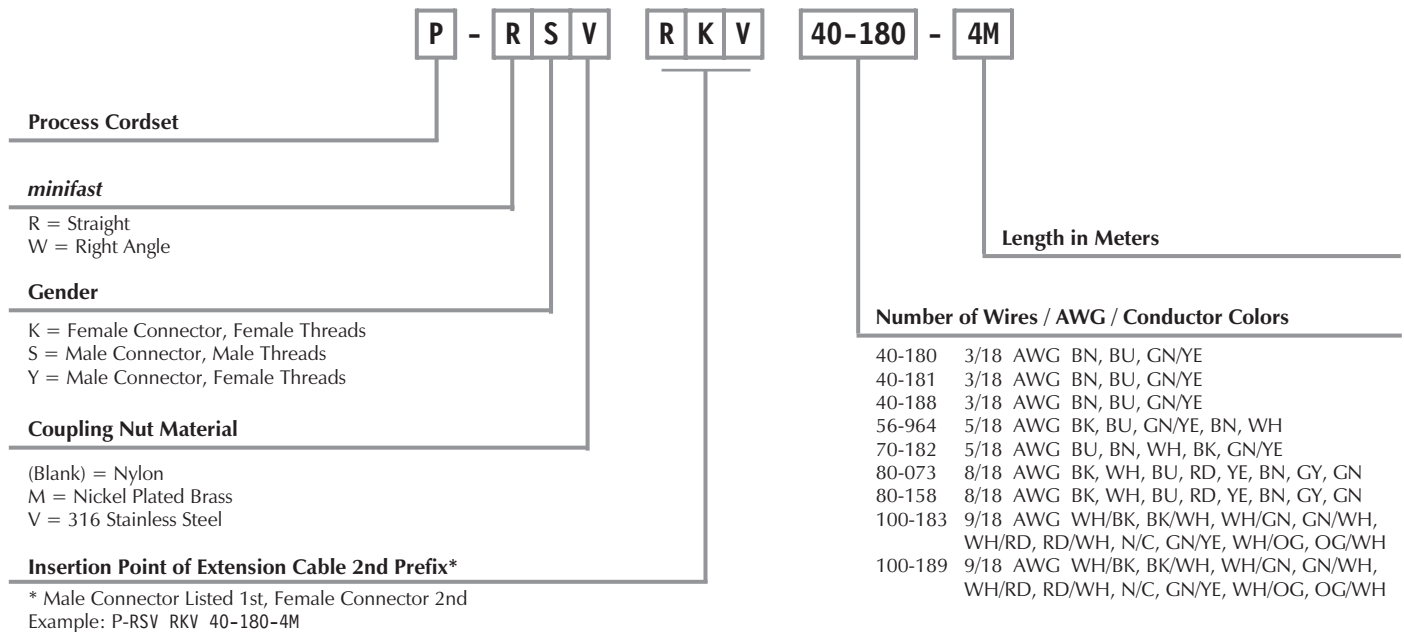


extremelife Cables:

- Standard cables are stocked for quick delivery, and custom designs ship within 6 to 10 weeks.
- Multiple designs and custom configurations can be built using 16 to 22 AWG wires.
- Bronze armor styles combined with stable tinned-copper armor.
- Cost effective cables, since **extremelife** can be made with 22 AWG conductors and tinned-copper armor.
- Assorted conductor sizes and insulation materials allow usage in network applications.

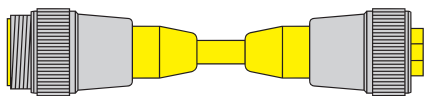
minifast® extremelife® Extension Cordset Part Number Key - Control Cable

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult Factory for catalog items not identified.



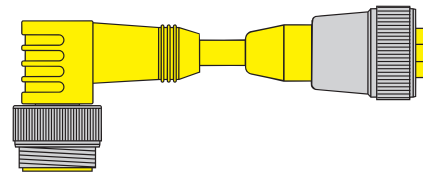
Extension Examples:

P - R S V R K V 40-180 - 4M



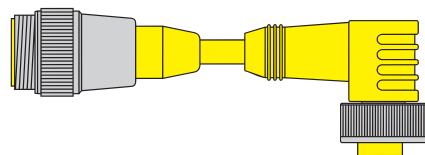
RSV .. - RKV ..

P - W S V R K V 40-180 - 4M



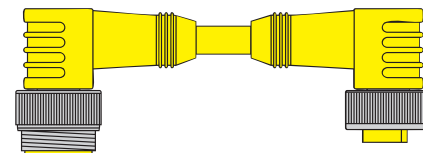
WSV .. - RKV ..

P - R S V W K V 40-180 - 4M



RSV .. - WKV ..

P - W S V W K V 40-180 - 4M



WSV .. - WKV ..

4 and 5-Wire *minifast*® *extremelife*® Control Cordsets

- Straight Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinouts
	P-RKV 40-180-*M	PVC Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51180-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog	1. BU 2. BN 3. Drain 4. GN/YE
	P-RKV 40-181-*M	PVC Black, Braided Armor 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 12.5 mm OD Cable #RF51181-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog	
	P-RKV 40-188-*M	TPE Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51188-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog	
	P-RKV 56-964-*M	PVC Blue 5x18 AWG, Foil/Drain 90°C 300 V, 9 A 10.4 mm OD Cable #RF50964-*M [†]	<i>extremelife-25</i> UL 1309 approved 5-wire shielded	1. BK 2. BU 3. GN/YE 4. BN 5. WH

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is 316 stainless steel "P-RKV .."; "P-RKM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast*® cable information.

7, 8, and 9-Wire *minifast®* *extremelife®* Control Cordsets

- Straight Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinout
	P-RKV 70-182-*M	PVC Black 5x18 AWG, 2 STP with GND 90°C 300 V, 9 A 10.4 mm OD Cable #RF51182-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog x 2	
	P-RKV 80-073-*M	PVC Blue, Braided Armor 8x18 AWG, 4 STP 90°C 300 V, 9 A 17.8 mm OD Cable #RF51073-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog x 4	
	P-RKV 80-158-*M	TPE Black 8x18 AWG, 4 STP 90°C 300 V, 9 A 15.1 mm OD Cable #RF51158-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	
	P-RKV 100-183-*M	PVC Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 13.2 mm OD Cable #RF51183-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog x 4	
	P-RKV 100-189-*M	TPE Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 15.1 mm OD Cable #RF51189-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is 316 stainless steel "P-RKV .."; "P-RKM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast®* cable information.

4 and 5-Wire *minifast*® *extremelife*® Control Cordsets

- Right Angle Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinouts
	P-WKV 40-180-*M	PVC Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51180-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog	 1. BU 2. BN 3. Drain 4. GN/YE
	P-WKV 40-181-*M	PVC Black, Braided Armor 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 12.5 mm OD Cable #RF51181-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog	
	P-WKV 40-188-*M	TPE Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51188-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog	
	P-WKV 56-964-*M	PVC Blue 5x18 AWG, Foil/Drain 90°C 300 V, 9 A 10.4 mm OD Cable #RF50964-*M [†]	<i>extremelife-25</i> UL 1309 approved 5-wire shielded	 1. BK 2. BU 3. GN/YE 4. BN 5. WH

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is 316 stainless steel "P-WKV .."; "P-WKM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast*® cable information.

7, 8, and 9-Wire *minifast*® *extremelife*® Control Cordsets

- Right Angle Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinouts
	P-WKV 70-182-*M	PVC Black 5x18 AWG, 2 STP with GND 90°C 300 V, 9 A 10.4 mm OD Cable #RF51182-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog x 2	
	P-WKV 80-073-*M	PVC Blue, Braided Armor 8x18 AWG, 4 STP 90°C 300 V, 9 A 17.8 mm OD Cable #RF51073-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog x 4	
	P-WKV 80-158-*M	TPE Black 8x18 AWG, 4 STP 90°C 300 V, 9 A 15.1 mm OD Cable #RF51158-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	
	P-WKV 100-183-*M	PVC Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 13.2 mm OD Cable #RF51183-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog x 4	
	P-WKV 100-189-*M	TPE Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 15.1 mm OD Cable #RF51189-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is 316 stainless steel "P-WKV .."; "P-WKM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast*® cable information.

4 and 5-Wire *minifast*® *extremelife*® Control Cordsets

- Straight Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinouts
	P-RSV 40-180-*M	PVC Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51180-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog	
	P-RSV 40-181-*M	PVC Black, Braided Armor 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 12.5 mm OD Cable #RF51181-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog	
	P-RSV 40-188-*M	TPE Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51188-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog	
	P-RSV 56-964-*M	PVC Blue 5x18 AWG, Foil/Drain 90°C 300 V, 9 A 10.4 mm OD Cable #RF50964-*M [†]	<i>extremelife-25</i> UL 1309 approved 5-wire shielded	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is 316 stainless steel "P-RSV .."; "P-RSM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast*® cable information.

7, 8, and 9-Wire *minifast*® *extremelife*® Control Cordsets

- Straight Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinouts
	P-RSV 70-182-*M	PVC Black 5x18 AWG, 2 STP with GND 90°C 300 V, 9 A 10.4 mm OD Cable #RF51182-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog x 2	
	P-RSV 80-073-*M	PVC Blue, Braided Armor 8x18 AWG, 4 STP 90°C 300 V, 9 A 17.8 mm OD Cable #RF51073-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog x 4	
	P-RSV 80-158-*M	TPE Black 8x18 AWG, 4 STP 90°C 300 V, 9 A 15.1 mm OD Cable #RF51158-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	
	P-RSV 100-183-*M	PVC Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 13.2 mm OD Cable #RF51183-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog x 4	
	P-RSV 100-189-*M	TPE Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 15.1 mm OD Cable #RF51189-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is 316 stainless steel "P-RSV .."; "P-RSM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast*® cable information.

4 and 5-Wire *minifast*® *extremelife*® Control Cordsets

- Right Angle Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinouts
	P-WSV 40-180-*M	PVC Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51180-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog	
	P-WSV 40-181-*M	PVC Black, Braided Armor 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 12.5 mm OD Cable #RF51181-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog	
	P-WSV 40-188-*M	TPE Black 3x18 AWG, 1 STP with GND Foil/Drain 90°C 300 V, 9 A 8.4 mm OD Cable #RF51188-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog	
	P-WSV 56-964-*M	PVC Blue 5x18 AWG, Foil/Drain 90°C 300 V, 9 A 10.4 mm OD Cable #RF50964-*M [†]	<i>extremelife-25</i> UL 1309 approved 5-wire shielded	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is 316 stainless steel "P-WSV .."; "P-WSM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast*® cable information.

7, 8 and 9-Wire *minifast®* *extremelife®* Control Cordsets

- Right Angle Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Housing	Part Number	Cable	Features	Pinouts
	P-WSV 70-182-*M	PVC Black 5x18 AWG, 2 STP with GND 90°C 300 V, 9 A 10.4 mm OD Cable #RF51182-*M [†]	<i>extremelife-25</i> UL 1309 approved 2-wire Analog x 2	1. BU 2. BN 3. Drain 4. WH 5. BK 6. Drain 7. GN/YE
	P-WSV 80-073-*M	PVC Blue, Braided Armor 8x18 AWG, 4 STP 90°C 300 V, 9 A 17.8 mm OD Cable #RF51073-*M [†]	<i>extremelife-25</i> Braided Armor Cable UL 1309 approved 2-wire Analog x 4	1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN
	P-WSV 80-158-*M	TPE Black 8x18 AWG, 4 STP 90°C 300 V, 9 A 15.1 mm OD Cable #RF51158-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	1. BK 2. WH 3. BU 4. RD 5. YE 6. BN 7. GY 8. GN
	P-WSV 100-183-*M	PVC Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 13.2 mm OD Cable #RF51183-*M [†]	<i>extremelife™-25</i> UL 1309 approved 2-wire Analog x 4	1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. N/C 8. GN/YE 9. WH/OG 10. OG/WH
	P-WSV 100-189-*M	TPE Black 9x18 AWG, 4 STP with GND 90°C 300 V, 7 A 15.1 mm OD Cable #RF51189-*M [†]	<i>extremelife-55</i> UL 1309 approved 2-wire Analog x 4	1. WH/BK 2. BK/WH 3. WH/GN 4. GN/WH 5. WH/RD 6. RD/WH 7. N/C 8. GN/YE 9. WH/OG 10. OG/WH

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is 316 stainless steel "P-WSV .."; "P-WSM .." indicates nickel plated brass.

[†] See pages K236 - K244 for *reelfast®* cable information.

Process Wiring Accessories Selection Guide



7/8", 1, & 1-1/8" <i>minifast</i> ® Thread	<i>lokfast</i> ® Guard	Conduit Adapters	Conduit Adapter Ground Ring	Field Wireables	Closure Caps
Pages	K207	K209	K213	K215	K229



M12 <i>eurofast</i> ® Thread	<i>lokfast</i> Guard	Conduit Adapters	Conduit Adapter Ground Ring	Field Wireables	Closure Caps
Pages	K207	K211	K213	K219	K232



M23 <i>multifast</i> ® Thread	Conduit Adapters	Field Wireables	Accessories
Pages	K212	K223	K234

TURCK

Process Wiring Products

minifast® lokfast® Guards

Part Number	Application
LOCK-MINI	<i>Nylon locking guard for straight minifast standard body connectors (RKM, RKV, RSM and RSV) in Class I, Division 2 installations*</i>
LOCK-MINI (10/BAG)	
LOCK-MINI-ANGLE	<i>Nylon locking guard for right angle minifast standard body connectors (WKM, WKV, WSM and WSV) in Class I, Division 2 installations*</i>
LOCK-MINI-ANGLE (10/BAG)	
LOCK-MINI-FW	<i>Nylon locking guard for straight minifast field wireable connectors (BS 41..., and B 41...) in Class I, Division 2 installations*</i>
LOCK-MINI-FW (10/BAG)	
LOCK-MINI-B&C	<i>Nylon locking guard for straight minifast "B" Style and "C" Style connectors (RKM, RKV, RSM and RSV) in Class I, Division 2 installations*</i>
LOCK-MINI-B&C (10/BAG)	
LOCK-MINI-B&C-ANGLE	<i>Nylon locking guard for right angle minifast "B" Style and "C" Style connectors (WKM, WKV, WSM and WSV) in Class I, Division 2 installations*</i>
LOCK-MINI-B&C-ANGLE (10/BAG)	



lokfast Closed



lokfast Open

eurofast® lokfast Guards

Part Number	Application
LOCK-EURO-G	<i>Nylon locking guard for straight eurofast G-body connectors (RKG, RKGV, RSG and RSGV) in Class I, Division 2 installations*</i>
LOCK-EURO-G (10/BAG)	
LOCK-EURO-R	<i>Nylon locking guard for straight eurofast R-body connectors (RKR, RKR, RSR and RSRV) in Class I, Division 2 installations*</i>
LOCK-EURO-R (10/BAG)	
LOCK-EURO-FW	<i>Nylon locking guard for straight eurofast field wireable connectors (B81.., BS81.. and BM81..) in Class I, Division 2 installations*</i>
LOCK-EURO-FW (10/BAG)	



lokfast Open



lokfast Closed

* See TURCK Control Drawing QCF-00147 (FM) or Ni-2.404 (CSA) at www.turck.com/fmcd/ for guidance on installation in hazardous locations.

lokfast® Guards for use with AIM Stations

Part Number	Application
LOCK-FP-T	Nylon locking guard kit for use with models FDNP-L0808G-TT, FDNP-XSG16-TT in Class I, Division 2 installations*
LOCK-FL-T	Nylon locking guard kit for use with models FDNL-L1600-T, FDNL-CPG88-TT in Class I, Division 2 installations*
LOCK-FQ-T	Nylon locking guard kit for use with models FDNQ-XSG08-T, FDNQ-S0800-T in Class I, Division 2 installations*
LOCK-4MB12	Nylon locking guard kit for use with models 4MB12-4P2-CS12, 4MB12-5P3-5 in Class I, Division 2 installations*
LOCK-8MB12	Nylon locking guard kit for use with models 8MB12-4P2-CS12, 8MB12-5P3-5 in Class I, Division 2 installations*
LOCK-FP-E	Nylon locking guard kit for use with model FENP-XSG16 in Class I, Division 2 installations*
LOCK-FP-C	Nylon locking guard kit for use with model FLDP-IOM 88-0001 in Class I, Division 2 installations*
LOCK-FL-E	Nylon locking guard kit for use with model FDNL-S1600-E in Class I, Division 2 installations*
LOCK-FL-C	Nylon locking guard kit for use with model FDNL-L1600-C in Class I, Division 2 installations*
LOCK-FQ-E	Nylon locking guard kit for use with model FDNQ-CSG44-E in Class I, Division 2 installations*
LOCK-FQ-C	Nylon locking guard kit for use with model FDNQ-S0400-C in Class I, Division 2 installations*
LOCK-FP-REP	Nylon locking guard kit for use with models FDN-DN1, REP-DN, FDN-MSTR in Class I, Division 2 installations*

* **lokfast** kit includes guards for Bus / I/O / Aux Power depending on module kits.



Guards for lokfast Bus Ports



Guards for lokfast Aux Power Ports



Guards for lokfast I/O Ports



TURCK
Process Wiring Products

minifast® Conduit Adapters, 1 Port

- Attaches to Standard Crouse-Hinds 3/4" Form 8, Mark 9 Conduit Bodies for Transition to 3 and 5-Wire minifast Connectors
- Gasket and 8-32 x 1/2 Mounting Screws
- IP 67 Protection
(only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 12 AWG Wires



Drawing	Part Number	Specs	Application	Wiring Diagrams
	CA-1/RKF 30	Nylon Housing 80°C 250 V, 9 A	Attaches to standard conduit body for transition to 3-wire minifast connector	
	CA-1/RKF 40		Attaches to standard conduit body for transition to 4-wire minifast connector	
	CA-1/RKF 50		Attaches to standard conduit body for transition to 5-wire minifast connector	

Standard receptacle housing material is nickel plated brass.. "RKF"; "RKFV" indicates 316 stainless steel.
Example: CA-1/RKFV 50.

Pinouts

Female		
3-Pin	4-Pin	5-Pin

minifast® Conduit Adapters, 2 Port

- Attaches to Standard Crouse-Hinds 3/4" Form 8, Mark 9 Conduit Bodies for Transition to 3-5 Wire *minifast* Connectors
- Gasket and 8-32 x 1/2 Mounting Screws
- IP 67 Protection (only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 12 AWG Wires



Drawing	Part Number	Specs	Application	Wiring Diagrams
	CA-2/RKF 30	Nylon Housing 80°C 250 V, 9 A	Attaches to standard conduit body for transition to 3-wire minifast connector.	
	CA-2/RKF 30/S651		Attaches to standard conduit body for transition to 3-wire minifast connector, parallel wired.	
	CA-2/RKF 40		Attaches to standard conduit body for transition to 4-wire minifast connector.	
	CA-2/RKF 40/S651		Attaches to standard conduit body for transition to 4-wire minifast connector, parallel wired.	
	CA-2/RKF 50		Attaches to standard conduit body for transition to 5-wire minifast connector.	
	CA-2/RKF 50/S651		Attaches to standard conduit body for transition to 5-wire minifast connector, parallel wired.	

Standard receptacle housing material is nickel plated brass. "RKF"; "RKfV" indicates 316 stainless steel.
 Example: CA-2/RKFV 50.
 For pinouts see bottom of page K222.

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Process Wiring Products

eurofast® Conduit Adapters

- Attaches to Standard Crouse-Hinds 3/4" Form 8 Conduit Bodies for Transition to 5-Wire eurofast® Connectors
- Gasket and 8-32 x 1/2 Mounting Screws Included
- IP 67 Protection
(only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 12 AWG Wires



Drawing	Part Number	Specs	Application	Pinout	Wiring Diagrams
	CA-1/FK 4.5				
	CA-2/FK 4.5	Nylon housing 80°C 250 V, 4 A	Attaches to standard conduit body for transition to 5-wire eurofast connector		

Standard receptacle housing material is nickel plated brass "CA-1(2)/FK 4.5"; "CA-1(2)/FKV 4.5" indicates stainless steel.

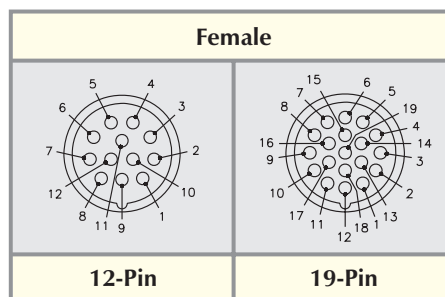
multifast® Conduit Adapters, 1 Port

- Attaches to Standard Crouse-Hinds 3/4" Form 8, Mark 9 Conduit Bodies for Transition to 12 and 19-Pin *multifast* Connectors
- Gasket and 8-32 x 1/2 Mounting Screws Included
- IP 67 Protection (only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 14 AWG Wires



Drawing	Part Number	Specs	Application	Wiring Diagrams
	CA-1/CK 12	Nylon housing Nickel plated brass receptacle housing 80°C 300 V, 4 A	Attaches to standard conduit body for transition to 12-pin multifast connector.	
	CA-1/CKV 12	Nylon housing Stainless steel receptacle housing 80°C 300 V, 4 A		
	CA-1/CK 19	Nylon housing Nickel plated brass receptacle housing 80°C 150 V, 4 A	Attaches to standard conduit body for transition to 19-pin multifast connector.	
	CA-1/CKV 19	Nylon housing Stainless steel receptacle housing 80°C 150 V, 4 A		

Pinouts



minifast® eurofast® Conduit Adapter Ground Rings



Drawing	Part Number	Specs	Application
	CA GROUND RING - MINI FEMALE	Nickel plated brass plating Stainless steel Ground + Set screw material	Grounding of coupling nuts of armored cordsets
	CA GROUND RING - EURO FEMALE		



Notes:

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Process Wiring Products

3, 4 and 5-Pin *minifast*® Field Wireable Connectors

- Straight Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Drawing Number	Part Number	Housing Specs.	Application	Pinout
	B 4131-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 12 A	<i>Mates with all 3-pin cordsets and receptacles</i>	
	B 4131-0/13.5	Glass filled nylon PG 13.5 cable gland, accepts 10-12 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 12 A	<i>Mates with all 3-pin cordsets and receptacles</i>	
	B 4141-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	<i>Mates with all 4-pin cordsets and receptacles</i>	
	B 4141-0/13.5	Glass filled nylon PG 13.5 cable gland, accepts 10-12 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	<i>Mates with all 4-pin cordsets and receptacles</i>	
	B 4151-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	<i>Mates with all 5-pin cordsets and receptacles</i>	
	B 4151-0/13.5	Glass filled nylon PG 13.5 cable gland, accepts 10-12 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	<i>Mates with all 5-pin cordsets and receptacles</i>	
	B 4151-0/16	Glass filled nylon PG 16 cable gland, accepts 12-14 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	<i>Mates with all 5-pin cordsets and receptacles</i>	

3, 4 and 5-Pin *minifast*® Field Wireable Connectors

- Right Angle Female Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Drawing Number	Part Number	Housing Specs.	Application	Pinout
	B 4231-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 12 A	Mates with all 3-pin cordsets and receptacles	
	B 4241-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	Mates with all 4-pin cordsets and receptacles	
	B 4251-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	Mates with all 5-pin cordsets and receptacles	

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Process Wiring Products

3, 4 and 5-Pin *minifast*® Field Wireable Connectors

- Straight Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection

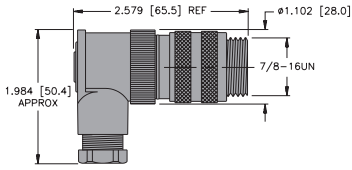
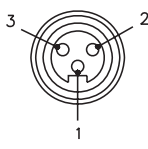
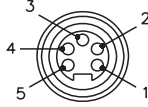


Drawing Number	Part Number	Housing Specs.	Application	Pinout
	BS 4131-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85° C 250 V, 12 A	<i>Mates with all 3-pin cordsets and receptacles</i>	
	BS 4131-0/13.5	Glass filled nylon PG 13.5 cable gland, accepts 10-12 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85° C 250 V, 12 A	<i>Mates with all 3-pin cordsets and receptacles</i>	
	BS 4141-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85° C 250 V, 9 A	<i>Mates with all 4-pin cordsets and receptacles</i>	
	BS 4141-0/13.5	Glass filled nylon PG 13.5 cable gland, accepts 10-12 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85° C 250 V, 9 A	<i>Mates with all 4-pin cordsets and receptacles</i>	
	BS 4151-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85° C 250 V, 9 A	<i>Mates with all 5-pin cordsets and receptacles</i>	
	BS 4151-0/13.5	Glass filled nylon PG 13.5 cable gland, accepts 10-12 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85° C 250 V, 9 A	<i>Mates with all 5-pin cordsets and receptacles</i>	
	BS 4151-0/16	Glass filled nylon PG 16 cable gland, accepts 12-14 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85° C 250 V, 9 A	<i>Mates with all 5-pin cordsets and receptacles</i>	

3, 4 and 5-Pin *minifast*® Field Wireable Connectors

- Right Angle Male Connectors
- NEMA 1, 3, 4, 6P and IEC IP 67 Protection



Drawing Number	Part Number	Housing Specs.	Application	Pinout
	BS 4231-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 12 A	<i>Mates with all 3-pin cordsets and receptacles</i>	
	BS 4241-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	<i>Mates with all 4-pin cordsets and receptacles</i>	
	BS 4251-0/9	Glass filled nylon PG 9 cable gland, accepts 6-8 mm cable diameter Screw terminals, accepts up to 16 AWG conductors 85°C 250 V, 9 A	<i>Mates with all 5-pin cordsets and receptacles</i>	

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Process Wiring Products

4, 5 and 8-Wire *eurofast*® Field Wireable Connectors, Standard and Reverse Key

- Straight Female Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	B 8141-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	B 8141-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	B 8151-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	
	BM 8151-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals Metal coupling nut 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	
	BWS 8141-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals Metal coupling nut 85°C 250 V, 4 A	Mates with <u>reverse</u> key 4-pin cordsets and receptacles	
	BWS 8151-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with <u>reverse</u> key 5-pin cordsets and receptacles	
	B 8181-0	Nylon, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 60 VAC/75 VDC, 2 A	Mates with standard key 8-pin cordsets and receptacles	

4 and 5-Wire eurofast® Field Wireable Connectors, Standard and Reverse Key

- Right Angle Female Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	B 8241-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	B 8241-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	B 8251-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	
	BWS 8251-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with <u>reverse</u> key 5-pin cordsets and receptacles	

TURCK

Process Wiring Products

4, 5 and 8-Wire *eurofast*® Field Wireable Connectors, Standard and Reverse Key

- Straight Male Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	BS 8141-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	BS 8141-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	BS 8151-0/PG 9	PBT, Black PG 9 cable gland, accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	
	BSWS 8141-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with <u>reverse</u> key 4-pin cordsets and receptacles	
	BSWS 8151-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with <u>reverse</u> key 5-pin cordsets and receptacles	
	BS 8181-0	Nylon, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 60 VAC/75 VDC, 2 A	Mates with standard key 8-pin cordsets and receptacles	

4, 5 and 8-Wire *euromast*® Field Wireable Connectors, Standard and Reverse Key

- Right Angle Male Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	BS 8241-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	BS 8241-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	
	BS 8251-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	
	BSWS 8241-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with <u>reverse</u> key 4-pin cordsets and receptacles	
	BSWS 8251-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with <u>reverse</u> key 5-pin cordsets and receptacles	

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Process Wiring Products

12, 16 and 19-Pin *multifast*® Field Wireable In-line Connectors

- Female Contact Holder & Thread
- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect



Housing Style	Part Number	Cable	Features	Pinouts
	CK 12-0	Nickel plated brass PG 11 cable gland, Accepts 4-10 mm cable diameter Accepts up to 12x18 AWG conductors 125°C 300 V, 8 A	Field wireable 12-pin in-line connector, for use with <i>minifast</i> ®, <i>eurofast</i> ® (single input per port) and <i>microfast</i> ® junctions boxes	
	CK 16-0	Nickel plated brass PG 13.5 cable gland, Accepts 5-12 mm cable diameter Accepts up to 16x18 AWG conductors 125°C 150 V, 8 A	Field wireable 16-pin in-line connector, for use with <i>eurofast</i> (isolated power supply) junctions boxes	
	CK 19-0	Nickel plated brass PG 13.5 cable gland, Accepts 5-12 mm cable diameter Accepts up to 19x18 AWG conductors 125°C 150 V, 8 A	Field wireable 19-pin in-line connector, for use with <i>eurofast</i> (two Signals per port) junctions boxes	
	CK 125-0	Nickel plated brass IAC, Accepts 3-10 mm cable diameter Accepts up to 12x18 AWG conductors 125°C 150 V, 8 A	Field wireable 12-pin in-line connector	

12, 16 and 19-Pin *multifast*® Field Wireable In-line Connectors

- Male Contact Holder & Thread
- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect



Housing Style	Part Number	Cable	Features	Pinouts
	CSS 12-0	Nickel plated brass PG 13.5 cable gland, Accepts 5-12 mm cable diameter Accepts up to 12x18 AWG conductor 125°C 300 V, 8 A	Field wireable 12-pin in-line connector, for use with <i>minifast</i> ®, <i>eurofast</i> ® (single input per port) and <i>microfast</i> ® junctions boxes	
	CSS 16-0	Nickel plated brass PG 13.5 cable gland, Accepts 5-12 mm cable diameter Accepts up to 16x18 AWG conductor 125°C 150 V, 8 A	Field wireable 16-pin in-line connector, for use with <i>eurofast</i> (isolated power supply) junctions boxes	
	CSS 19-0	Nickel plated brass PG 13.5 cable gland, Accepts 5-12 mm cable diameter Accepts up to 19x18 AWG conductor 125°C 150 V, 8 A	Field wireable 19-pin in-line connector, for use with <i>eurofast</i> (two signals per port) junctions boxes	
	CSS 125-0	Nickel plated brass IAC, Accepts 3-10 mm cable diameter Accepts up to 12x18 AWG conductors 125°C 150 V, 8 A	Field wireable 12-pin in-line connector	

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Process Wiring Products

12, 16 and 19-Pin *multifast*® Field Wireable In-line Connectors

- Male Contact Holder, Female Thread
- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP 65 Protection



Housing Style	Part Number	Cable	Features	Pinouts
	CS 12-0	Nickel plated brass PG 11 cable gland, Accepts 4-10 mm cable diameter Accepts up to 12x18 AWG conductor 125° C 300 V, 8 A	Field wireable 12-pin in-line connector, for use with <i>minifast</i> ®, <i>eurofast</i> ® (single input per port) and <i>microfast</i> ® junctions boxes	
	CS 16-0	Nickel plated brass PG 13.5 cable gland, Accepts 5-12 mm cable diameter Accepts up to 16x18 AWG conductor 125° C 150 V, 8 A	Field wireable 16-pin in-line connector, for use with <i>eurofast</i> ® (isolated power supply) junctions boxes	
	CS 19-0	Nickel plated brass PG 13.5 cable gland, Accepts 5-12 mm cable diameter Accepts up to 19x18 AWG conductor 125° C 150 V, 8 A	Field wireable 19-pin in-line connector, for use with <i>eurofast</i> (two Signals per port) junctions boxes	
	CS 125-0	Nickel plated brass IAC, Accepts 3-10 mm cable diameter Accepts up to 12x18 AWG conductors 125° C 150 V, 8 A	Field wireable 12-pin in-line connector	

12, 16 and 19-Pin *multifast*® Field Wireable, Front Mount

- Female and Male Connectors
- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP 65 Protection



Housing Style	Part Number	Cable	Features	Pinout
	CKF 12-0	Nickel plated brass Accepts up to 12x18 AWG conductor 125° C 300 V, 8 A	Field wireable 12-pin receptacle, for use with minifast®, eurofast® (single input per port) and microfast® junctions boxes	
	CKF 16-0	Nickel plated brass Accepts up to 16x18 AWG conductor 125° C 150 V, 8 A	Field wireable 16-pin receptacle, for use with eurofast (isolated power supply) junctions boxes	
	CKF 19-0	Nickel plated brass Accepts up to 19x18 AWG conductor 125° C 150 V, 8 A	Field wireable 19-pin receptacle, for use with eurofast (two signals per port) junctions boxes	
	CSF 12-0	Nickel plated brass Accepts up to 12x18 AWG conductor 125° C 300 V, 8 A	Field wireable 12-pin receptacle, for use with minifast, eurofast (single input per port) and microfast junctions boxes	
	CSF 16-0	Nickel plated brass Accepts up to 16x18 AWG conductor 125° C 150 V, 8 A	Field wireable 16-pin receptacle, for use with eurofast (isolated power supply) junctions boxes	
	CSF 19-0	Nickel plated brass Accepts up to 19x18 AWG conductor 125° C 150 V 8 A	Field wireable 19-pin receptacle, for use with eurofast (two signals per port) junctions boxes	

TURCK

Process Wiring Products

12, 16 and 19-Pin *multifast*® Field Wireable Receptacles, Front Mount, Long Threads

- Female and Male Connectors
- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP 65 Protection



Housing Style	Part Number	Cable	Features	Pinouts
	CKFL 12-0	Nickel plated brass Accepts up to 12x18 AWG conductor 125°C 300 V, 8 A	Field wireable 12-pin receptacle, for use with minifast®, eurofast® (single input per port) and microfast® junctions boxes	
	CKFL 16-0	Nickel plated brass Accepts up to 16x18 AWG conductor 125°C 150 V, 8 A	Field wireable 16-pin receptacle, for use with eurofast (isolated power supply) junctions boxes	
	CKFL 19-0	Nickel plated brass Accepts up to 19x18 AWG conductor 125°C 150 V, 8 A	Field wireable 19-pin receptacle, for use with eurofast (two signals per port) junctions boxes	
	CSFL 12-0	Nickel plated brass Accepts up to 12x18 AWG conductor 125°C 300 V, 8 A	Field wireable 12-pin receptacle, for use with minifast, eurofast (single input per port) and microfast junctions boxes	
	CSFL 16-0	Nickel plated brass Accepts up to 16x18 AWG conductor 125°C 150 V, 8 A	Field wireable 16-pin receptacle, for use with eurofast (isolated power supply) junctions boxes	
	CSFL 19-0	Nickel plated brass Accepts up to 19x18 AWG conductor 125°C 150 V, 8 A	Field wireable 19-pin receptacle, for use with eurofast (two Signals per port) junctions boxes	

12, 16 and 19-Pin *multifast*® Field Wireable Receptacles, Rear Mount

- Female Contact Holder & Thread
- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP 65 Protection



Housing Style	Part Number	Cable	Features	Pinouts
	CKFD 12-0	Nickel plated brass Accepts up to 12x18 AWG conductor 125°C 300 V, 8 A	<i>Field wireable 12-pin receptacle, for use with minifast®, eurofast® (single input per port) and microfast junctions boxes</i>	
	CKFD 16-0	Nickel plated brass Accepts up to 16x18 AWG conductor 125°C 150 V, 8 A	<i>Field wireable 16-pin receptacle, for use with eurofast (isolated power supply) junctions boxes</i>	
	CKFD 19-0	Nickel plated brass Accepts up to 19x18 AWG conductor 125°C 150 V, 8 A	<i>Field wireable 19-pin receptacle, for use with eurofast (two signals per port) junctions boxes</i>	

TURCK

Process Wiring Products

minifast® Closure Caps, Standard

- 7/8-16UN Thread
- Nickel Plated Brass and Stainless Steel
- Male and Female Caps



Housing	Part Number	Specs	Application
	RKM-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to male cordsets
	RKMV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	
	RSM-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to female cordsets
	RSMV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	
	RKF-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to male receptacles
	RKFV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	
	RSF-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to female receptacles
	RSFV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	
	RKF-MC	Nickel plated brass 7/8-16UN threads BUNA-N gasket	Closure cap, mates to male receptacles
	RKFV-MC	Stainless steel 7/8-16UN threads BUNA-N gasket	
	RSF-MC	Nickel plated brass 7/8-16UN threads BUNA-N gasket and O-ring	Closure cap, mates to female receptacles
	RSFV-MC	Stainless steel 7/8-16UN threads BUNA-N gasket and O-ring	

Note: Add "/S1599" to the end of Part Number for closure caps assembled on cordsets.



minifast® Closure Caps, "B" Style

- 1-16UN Threads
- Nickel Plated Brass and Stainless Steel
- Male and Female Caps



Housing	Part Number	Specs	Application
	RKMB-CC	Nickel plated brass 1-16UN threads 6" stainless steel lanyard	Closure cap, mates to male cordsets
	RKMBV-CC	Stainless steel 1-16UN threads 6" stainless steel lanyard	
	RSMB-CC	Nickel plated brass 1-16UN threads 6" stainless steel lanyard	Closure cap, mates to female cordsets
	RSMBV-CC	Stainless steel 1-16UN threads 6" stainless steel lanyard	
	RKFB-CC	Nickel plated brass 1-16UN threads 6" stainless steel lanyard	Closure cap, mates to male receptacles
	RKFBV-CC	Stainless steel 1-16UN threads 6" stainless steel lanyard	
	RSFB-CC	Nickel plated brass 1-16UN threads 6" stainless steel lanyard	Closure cap, mates to female receptacles
	RSFBV-CC	Stainless steel 1-16UN threads 6" stainless steel lanyard	
	RKFB-MC	Nickel plated brass 1-16UN threads BUNA-N gasket and O-ring	Closure cap, mates to male receptacles
	RKFBV-MC	Stainless steel 1-16UN threads BUNA-N gasket and O-ring	
	RSFB-MC	Nickel plated brass 1-16UN threads BUNA-N gasket and O-ring	Closure cap, mates to female receptacles
	RSFBV-MC	Stainless steel 1-16UN threads BUNA-N gasket and O-ring	

Note: Add "/S1599" to the end of Part Number for closure caps assembled on cordsets.



TURCK

Process Wiring Products

minifast® Closure Caps, "C" Style

- 1¹/₈-16UN Threads
- Nickel Plated Brass and Stainless Steel
- Male and Female Caps

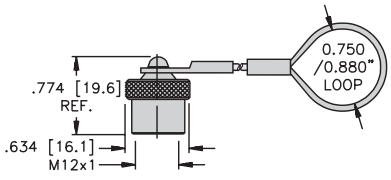
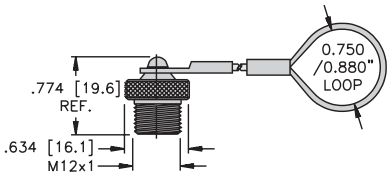
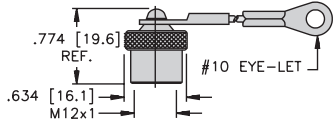
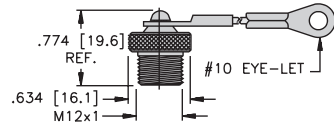
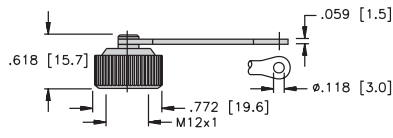
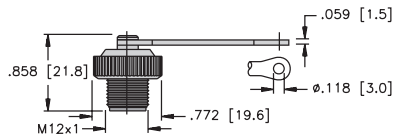


Housing	Part Number	Specs	Application
	RKMC-CC	Nickel plated brass 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	Closure cap, mates to male cordsets
	RKMCV-CC	Stainless steel 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	
	RSMC-CC	Nickel plated brass 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	Closure cap, mates to female cordsets
	RSMCV-CC	Stainless steel 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	
	RKFC-CC	Nickel plated brass 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	Closure cap, mates to male receptacles
	RKFCV-CC	Stainless steel 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	
	RSFC-CC	Nickel plated brass 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	Closure cap, mates to female receptacles
	RSFCV-CC	Stainless steel 1 ¹ / ₈ -16UN threads 6" stainless steel lanyard	
	RKFC-MC	Nickel plated brass 1 ¹ / ₈ -16UN threads BUNA-N gasket and O-ring	Closure cap, mates to male receptacles
	RKFCV-MC	Stainless steel 1 ¹ / ₈ -16UN threads BUNA-N gasket and O-ring	
	RSFC-MC	Nickel plated brass 1 ¹ / ₈ -16UN threads BUNA-N gasket and O-ring	Closure cap, mates to female receptacles
	RSFCV-MC	Stainless steel 1 ¹ / ₈ -16UN threads BUNA-N gasket and O-ring	

Note: Add "/S1599" to the end of Part Number for closure caps assembled on cordsets.



eurofast® Closure Caps

Drawing	Part Number	Cable	Features
	RK-CC	Nickel plated brass M12x1 threads 6" lanyard	Mates to male cordsets
	RKV-CC	Stainless steel M12x1 threads 6" lanyard	Mates to male cordsets
	RS-CC	Nickel plated brass M12x1 threads 6" lanyard	Mates to female cordsets
	RSV-CC	Stainless steel M12x1 threads 6" lanyard	Mates to female cordsets
	FK-CC	Nickel plated brass M12x1 threads 6" lanyard with eyelet	Mates to male receptacles
	FKV-CC	Stainless steel M12x1 threads 6" lanyard with eyelet	Mates to male receptacles
	FS-CC	Nickel plated brass M12x1 threads 6" lanyard with eyelet	Mates to female receptacles
	FSV-CC	Stainless steel M12x1 threads 6" lanyard with eyelet	Mates to female receptacles
	FKK-CC	Plastic M12x1 threads 3" lanyard with eyelet	Mates to male receptacles
	FSK-CC	Plastic M12x1 threads 3" lanyard with eyelet	Mates to female receptacles

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Process Wiring Products

eurofast® Closure Caps

Drawing	Part Number	Cable	Features
	RKK-CC	Plastic M12x1 threads	<i>Mates to male cordsets</i>
	RSK-CC	Plastic M12x1 threads	<i>Mates to female cordsets</i>
	RK-MC	Nickel plated brass M12x1 threads No lanyard	<i>Mates to male receptacles</i>
	RKV-MC	Stainless steel M12x1 threads No lanyard	<i>Mates to male receptacles</i>
	RS-MC	Nickel plated brass M12x1 threads No lanyard	<i>Mates to female receptacles</i>
	RSV-MC	Stainless steel M12x1 threads No lanyard	<i>Mates to female receptacles</i>
	VZ3-RED (8/BAG)	Red Nylon	<i>Mates to VB2 series junction boxes and female receptacles</i>
	VZ3 (8/BAG)	Nylon	<i>Mates to VB2 series junction boxes and female receptacles</i>

multifast® Accessories

- Field Wireable Assembly Tools
- Closure Caps

Housing Style	Part Number	Cable	Features
	CK-T00L	N/A	Tool to aid assembly of all M23 multifast field wireables with female threads
	CKF-T00L	N/A	Tool to aid assembly of all M23 multifast field wireables with male threads
	CS-CC	Nickel plated brass Neoprene gasket	Closure caps for multifast cordset connectors
	CK-CC	Nickel plated brass Neoprene gasket	Closure caps for multifast receptacles (CSF and CKF) and CSS cordset connectors

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Process Wiring Products

Notes:



Bulk Wiring Control Cable

- Spooled in 30, 100, or 200 meter lengths in self-feeding packages
- 2-Wire Analog or HART, Additional Analog or Discrete, NAMUR and *extremelife*® cables to choose from
- ITC, PLC, Exposed Run/Direct Burial, Marine Shipboard and more



2-Wire Analog or HART Control Circuit *reelfast*® Cable Selection Guide

Diagram A

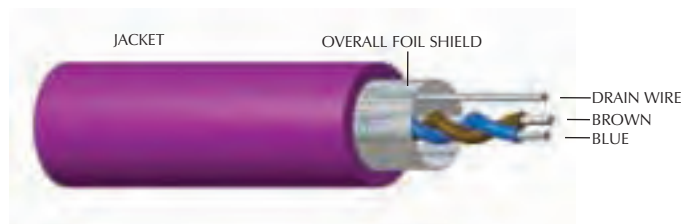


Diagram B

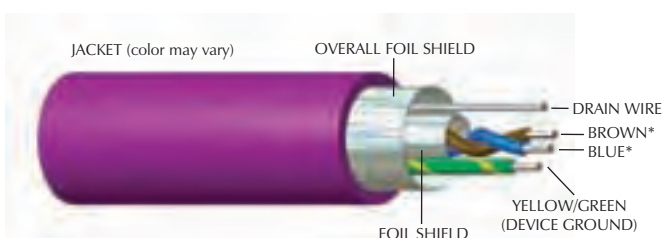


Diagram C

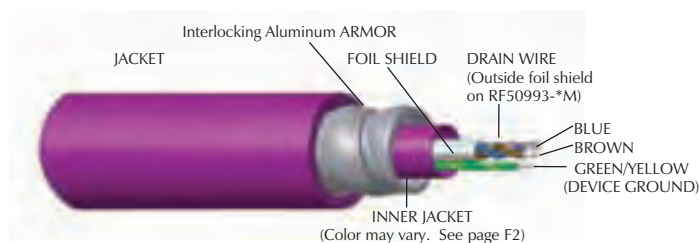
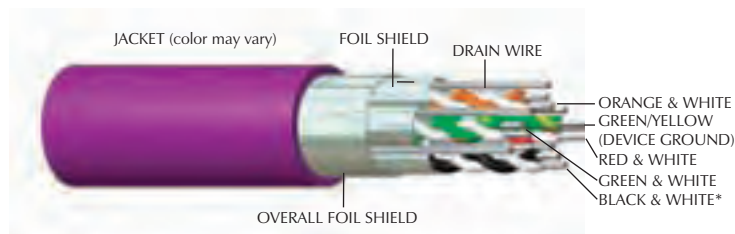


Diagram D



Up to 8 STP. See page F2 for details.

* Conductor colors may vary. See table on page K240 for details.
STP = Shielded Twisted Pair
Note: See page K240 for corresponding bulk cable specifications.

2-Wire Analog or HART Control Circuit *reelfast*® Cable Selection Guide

Diagram	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CsA	Type	MSHA	Temp. (°C)
A	2	18	PVC Plum 300 V 7.2 mm OD	RF51026-30M RF51026-100M RF51026-200M	5 17 34	1 pair = (BU, BN), Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	16	PVC Plum 300 V 7.6 mm OD	RF51098-30M RF51098-100M RF51098-200M	7 22 44	1 pair = (WH, BK), GN, Drain (18)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	16	PVC Blue 300 V 7.6 mm OD	RF51327-30M RF51327-100M RF51327-200M	7 22 44	1 pair = (WH, BK), GN, Drain (18)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC Blue 300 V 7.2 mm OD	RF51330-30M RF51330-100M RF51330-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
C	3	18	PVC ARMOR Plum 300 V 13.5 mm OD	RF50947-30M RF50947-100M RF50947-200M	14 47 94	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC Plum 300 V 7.2 mm OD	RF50949-30M RF50949-100M RF50949-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC Plum 300 V 7.2 mm OD	RF51162-30M RF51162-100M RF51162-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
B	3	18	PVC Plum 300 V 7.2 mm OD	RF51124-30M RF51124-100M RF51124-200M	6 19 38	1 pair = (RD, BK), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
B	3	18	PVC BU 300 V 7.2 mm OD	RF50950-30M RF50950-100M RF50950-200M	6 19 38	1 pair = (BU, BN), GN/YE, Drain (20)	Foil/Drain	*	*	ITC/PLTC		105° -25°
C	3	22	PVC ARMOR Plum 11.2 mm OD	RF50993-30M RF50993-100M RF50993-200M	11 34 68	1 pair = (BU, BN), GN/YE, Drain (24)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	9	18 22	PVC Plum 300 V 10 mm OD	RF51229-30M RF51229-100M RF51229-200M	9 30 60	4 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), 18 AWG=GN/YE, Drains (5x22)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
D	9	18 22	PVC Plum 300 V 10 mm OD	RF50960-30M RF50960-100M RF50960-200M	9 30 60	4 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), 18 AWG = GN/YE, Drains (5x22)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	17	18 22	PVC Plum 300 V 12 mm OD	RF50959-30M RF50959-100M RF50959-200M	14 45 90	8 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), (WH/BU, BU/WH), (WH/BN, BN/WH), (WH/YE, YE/WH), (WH/VT, VT/WH), 18 AWG = GN/YE, Drains (9x22)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	17	18 22	PVC Plum 300 V 12.7 mm OD	RF51230-30M RF51230-100M RF51230-200M	17 55 110	8 pair/22 AWG = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), (WH/BU, BU/WH), (WH/BN, BN/WH), (WH/YE, YE/WH), (WH/VT, VT/WH), 18 AWG = GN/YE, Drains (9x22)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
D	8	22	PVC BU 300 V 10 mm OD	RF50978-30M RF50978-100M RF50978-200M	9 30 60	4 Pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), GN/YE, Drain (22)	4 STP Foil/Drain	*	*	ITC/PLTC		105° -25°
D	16	22	PVC BU 300 V 12 mm OD	RF50977-30M RF50977-100M RF50977-200M	14 45 90	8 Pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), (WH/BU, BU/WH), (WH/BN, BN/WH), (WH/YE, YE/WH), (WH/VT, VT/WH), GN/YE, Drain (22)	8 STP Foil/Drain	*	*	ITC/PLTC		105° -25°

STP = Shielded Twisted Pair.

Additional Analog or Discrete Control Circuit *reelfast®* Cable Selection Guide

Diagram A

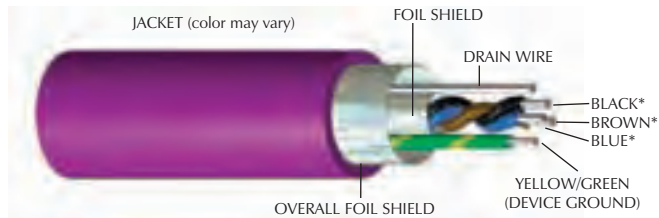


Diagram B

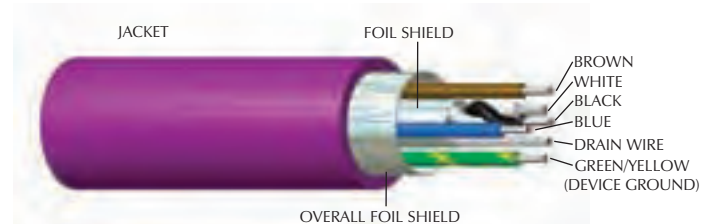


Diagram C

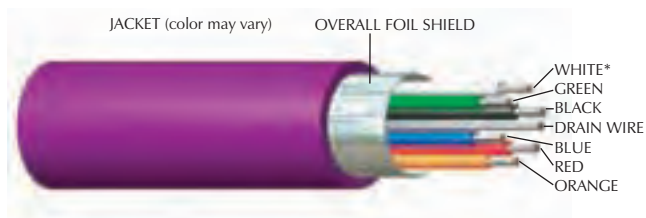


Diagram D

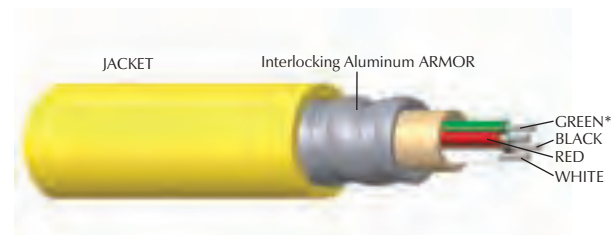
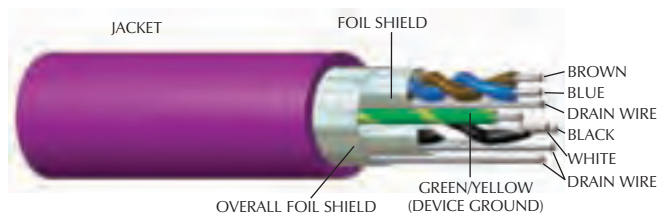
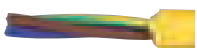


Diagram E



* Conductor colors may vary. See table on page K240 for details.
STP = Shielded Twisted Pair
Note: See page K240 for corresponding bulk cable specifications.

Additional Analog or Discrete Control Circuit *reelfast*® Cable Selection Guide

Photo/Diagram	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CSA	Type	MSHA	Temp.
	3	18	PVC YE 300 V 7.2 mm OD	RF50880-30M RF50880-100M RF50880-200M	6 18 35	BN, BU, GN/YE		*	*	ITC/PLTC		105° -25°
	3	18	PVC GY 300 V 7.2 mm OD	RF51187-30M RF51187-100M RF51187-200M	6 18 36	BK, WH, GN		*	*	ITC/PLTC		105° -25°
A	4	16	PVC Plum 300 V 10.4 mm OD	RF51099-30M RF51099-100M RF51099-200M	10 32 64	Triad = (WH, RD, BK), GN, Drain (18)	Triad Foil/Drain	*	*	ITC/PLTC		105° -25°
A	4	16	PVC BU 300 V 10.4 mm OD	RF51328-30M RF51328-100M RF51328-200M	10 32 64	Triad = (WH, RD, BK), GN, Drain (18)	Triad Foil/Drain	*	*	ITC/PLTC		105° -25°
A	4	18	PVC Plum 300 V 8.1 mm OD	RF51108-30M RF51108-100M RF51108-200M	7 21 42	Triad = (BU, BN, BK), GN/YE, Drain (20)	Triad Foil/Drain	*	*	ITC/PLTC		105° -25°
D	4	18	ARMOR PVC YE 600 V 13.5 mm OD	RF51041-30M RF51041-100M RF51041-200M	11 36 71	BK, WH, RD, GN		*	*	UL 1569 MC, ITC/PLTC		105° -25°
	4	22	PVC GY 300 V 5.2 mm OD	RF50698-30M RF50698-100M RF50698-200M	3 9 18	BN, WH, BU, BK		*	*	ITC/PLTC		105° -25°
C	4	22	PUR BK 300 V 6.9 mm OD	RF51095-30M RF51095-100M RF51095-200M	4 14 28	BN, WH, BU, BK, Drain (22)	Foil/Drain	*	*	ITC/PLTC		105° -60°
B	5	16	PVC Plum 300 V 12.5 mm OD	RF51025-30M RF51025-100M RF51025-200M	15 49 98	1 pair = (WH, BK), BU, BN, GN/YE, Drain (18)	STP Foil/Drain	*	*	ITC/PLTC		105° -25°
	5	18	PVC GY 300 V 7.2 mm OD	RF50972-30M RF50972-100M RF50972-200M	7 21 42	BK, WH, GY, BN, BU		*	*	ITC/PLTC		105° -25°
E	5	18	PVC Plum 300 V 7.9 mm OD	RF51318-30M RF51318-100M RF51318-200M	8 26 53	2 pair = (BK, WH), (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
C	6	16	PVC BU 300 V 9.6 mm OD	RF50329-30M RF50329-100M RF50329-200M	11 36 72	WH, RD, GN, OG, BK, BU, Drain (18)	Foil/Drain	*	*	ITC/PLTC		105° -25°
	6	16	PVC YE 600 V 9.6 mm OD	RF51030-30M RF51030-100M RF51030-200M	11 34 68	BK, WH, RD, OG, BU, GN		*	*	ITC/PLTC		105° -25°
	6	16	PVC Plum 300 V 11.2 mm OD	RF51233-30M RF51233-100M RF51233-200M	13 45 90	WH, RD, GN, OG, BK, BU		*	*	ITC-Exposed Run/Direct Burial/PLTC		105° -25°
C	6	16	PVC Plum 300 V 9.6 mm OD	RF51219-30M RF51219-100M RF51219-200M	11 36 72	WH, RD, GN, OG, BK, BU, Drain (18)	Foil/Drain	*	*	ITC/PLTC		105° -25°
C	11	18	PVC YE 300 V 10 mm OD	RF51088-30M RF51088-100M RF51088-200M	13 42 84	GN, YE, GY, PK, RD, BK, VT, BU, WH, BN, GN/YE, Drain (20)	Foil/Drain	*	*	ITC/PLTC		105° -25°

STP = Shielded Twisted Pair.

Intrinsically Safe NAMUR Circuit *reelfast®* Cable Selection Guide

Photo	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CsA	Type	MSHA	Temp. (°C)
	2	20	PVC BU 300 V 5.15 mm OD	RF20003-30M RF20003-100M RF20003-200M	3 10 19	BN, BU		*	*	AWM 2517	*	105° -50°
	2	20	PUR BU 300 V 5.2 mm OD	RF50657-30M RF50657-100M RF50657-200M	3 8 16	BN, BU		*	*	AWM 21002		105° -60°
	4	22	PVC BU 300 V 5.2 mm OD	RF50598-30M RF50598-100M RF50598-200M	3 9 18	BN, WH, BU, BK		*	*	AWM 2517	*	105° -50°
	5	22	PVC BU 300 V 6.8 mm OD	RF50767-30M RF50767-100M RF50767-200M	5 15 29	WH, BK, GN, RD, OG		*	*	PLTC	*	105° -30°
	5	24	PUR BU 300 V 5.7 mm OD	RF50928-30M RF50928-100M RF50928-200M	4 11 20	BU, OG, RD, YE, BK, Drain (24)	Foil/Drain	*	*	AWM 21002		105° -60°
	9	22	PVC BU 300 V 6.9 mm OD	RF50741-30M RF50741-100M RF50741-200M	5 13 26	WH, BK, GN, RD, OG, BU, BN, YE, VT		*	*	PLTC		105° -25°
	16	22	PVC BU 300 V 8.3 mm OD	RF50744-30M RF50744-100M RF50744-200M	8 25 50	WH, BK, GN, RD, OG, BU, BN, YE, VT, GY, PK, TN, WH/BK, WH/GN, WH/RD, WH/BU		*	*	PLTC		105° -25°



Notes:

Control *extremelife®* reel*fast®* Cable Selection Guide

- UL 1309 Approved
- Marine Shipboard
- ABS Approved

Diagram A

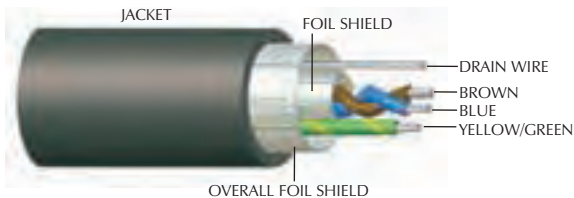


Diagram B

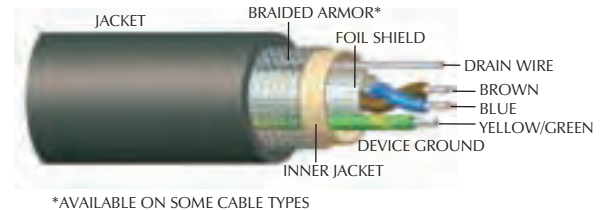


Diagram C

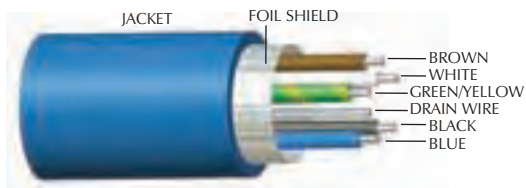


Diagram D

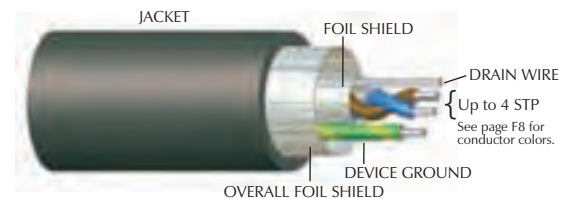


Diagram E



STP = Shielded Twisted Pair

Note: See page K244 for corresponding bulk cable specifications.

Control *extremelife*® *reelfast*® Cable Selection Guide

Diagram	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Conductor Colors	Shield	UL	CSA	Type	Temp. (°C)
A	3	18	PVC BK 300 V 8.4 mm OD <i>extremelife</i> ™-25	RF51180-30M RF51180-100M RF51180-200M	7 21 42	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	A	105° -40°
B	3	18	PVC, ARMOR, BK 300 V 12.5 mm OD <i>extremelife</i> -25	RF51181-30M RF51181-100M RF51181-200M	17 57 114	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*		105° -40°
A	3	18	TPE BK 300 V 8.4 mm OD <i>extremelife</i> -55	RF51188-30M RF51188-100M RF51188-200M	6 20 40	1 pair = (BU, BN), GN/YE, Drain (20)	STP Foil/Drain	*	*	B	105° -55°
C	5	18	PVC BU 300 V 10.4 mm OD <i>extremelife</i> -25	RF50964-30M RF50964-100M RF50964-200M	10 33 66	BN, WH, BK, BU, GN/YE, Drain (20)	Foil/Drain	*	*	A	105° -40°
D	5	18	PVC BK 300 V 10.4 mm OD <i>extremelife</i> -25	RF51182-30M RF51182-100M RF51182-200M	10 32 64	2 pair = (BN, BU), (BK, WH), GN/YE, Drain (2 x 20)	STP Foil/Drain	*	*		105° -40°
E	8	18	PVC, ARMOR, BU 300 V 17.8 mm OD <i>extremelife</i> -25	RF51073-30M RF51073-100M RF51073-200M	31 103 206	4 pair = (BK, WH), (BU, RD), (YE, BN), (GY, GN), Drains (4 x 20)	STP Foil/Drain	*	*		105° -40°
D	8	18	TPE BK 300 V 15.1 mm OD <i>extremelife</i> -55	RF51158-30M RF51158-100M RF51158-200M	18 60 120	4 pair = (BK, WH), (BU, RD), (YE, BN), (GY, GN), Drains (5 x 20)	STP Foil/Drain	*	*	B	105° -55°
D	9	18	PVC BK 300 V 13.2 mm OD <i>extremelife</i> -25	RF51183-30M RF51183-100M RF51183-200M	16 52 104	4 pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), GN/YE, Drains (4 x 20)	STP Foil/Drain	*	*	A	105° -40°
D	9	18	TPE BK 300 V 15.1 mm OD <i>extremelife</i> -55	RF51189-30M RF51189-100M RF51189-200M	19 60 120	4 pair = (WH/BK, BK/WH), (WH/GN, GN/WH), (WH/RD, RD/WH), (WH/OG, OG/WH), GN/YE, Drains (4 x 20)	STP Foil/Drain	*	*	B	105° -55°

STP = Shielded Twisted Pair

Type A - All *extremelife*-25 Cables

- Marine Shipboard
- UL1309
- IEEE 1202/FT4
- IEEE 45-1998
- IEEE 1580-2001
- IEC 332-3

Type B - All *extremelife*-55 Cables

- Marine Shipboard
- UL1309
- ITC
- ABS App.No. 03-HS400-763-PDA

TURCK

Process Wiring Products

TURCK Standards

One or more of the following standards may apply to products or components of products in this catalog. This section is intended to provide a reference to the applicable standards only. Original or facsimiles of the original standards documents should be used for interpretation. It is the responsibility of the user to determine the suitability of use of the products represented in this catalog.

ANSI/B93.55M

Generally defines the geometry and connection scheme of “mini” type connectors used in fluid power (valve) applications. It defines the numerical marking of the pins and the conductor size and colors for 3 and 5 pin versions. This specification was the basis for the so-called “automotive” standard conductor colors that are widely used on sensors.

CENELEC EN 50 044

Identifies connections for inductive proximity switches. The specification defines conductor colors for proximity switches with 2, 3, or 4 conductors. It also defines numerical marking of the terminals, whether quick disconnect, or not. **TURCK** sensors and recommended cordsets that apply within the scope of the standard comply with CENELEC EN 50 044. The conventions defined in this standard have been widely adopted in industry to include photoelectric controls and other related sensing devices.

CSA

The Canadian equivalent of UL in Canada. It is a government-run organization that tests and *certifies* that products conform to their own set of safety-related specifications.

DIN 43650

Defines the geometry and other characteristics of the “square” connectors most frequently used on hydraulic and pneumatic solenoid valves and other devices in the fluid power industry.

MSHA

The Mine Safety and Health Administration - a US Government agency that ensures and regulates safety for mines and mine workers. The MSHA approval is required for products used in underground mines, including electrical equipment, power cords, and instrumentation components.

The MSHA standards require special fire-resistant properties and characteristics that prevent the propagation of flames.

NRTL

Nationally Recognized Test Laboratory - An independent laboratory authorized by the US Government to perform product safety evaluations. Test laboratories must meet government laboratory standards, and are audited annually by OSHA to maintain this credential. UL standards are adopted by the US government and OSHA as being “Safety Standards”, and these accredited labs then use the UL standards to perform product evaluations.

The Canadian Standards Association, (CSA) is authorized as a NRTL to perform product evaluations and tests to the UL Standards. The certification mark “CSA NRTL/C” is then applied to products that satisfy all construction and performance criteria for both US and Canada. This certification mark is generally accepted by local building, safety, and quality agencies as meeting safety, construction, and performance criteria in both the US and Canada.

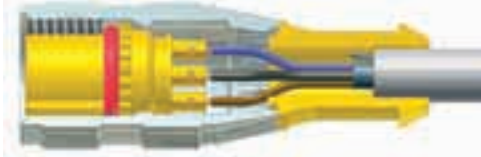
Shielded Cordsets

Whenever wire is used to transmit electrical data, it is possible for the wire to absorb external noise, possibly changing the characteristics of the electrical signal, or to give off noise that could cause changes in other electrical components that are near. Shielding is the act of placing conductive material between the potential noise emitters and receivers.

Electrical noise is usually classified as electro-magnetic interference (EMI) or radio frequency interference (RFI).

TURCK offers a number of shielding options:

1. Foil shield with drain, drain not connected



3. Foil and braid shield with shield tied to coupling nut



2. Foil shield with drain, drain connected to a pin



4. Aluminum armored cable with armor tied to coupling nut



For a shield to be effective, it must be tied to a ground at some point. It is usually preferred to not tie the shield to ground at more than one point to avoid ground loops. A shield not tied to a ground will reflect some noise and is better than no shield at all, but will be much more effective if tied to a ground.

High frequency noise, RFI, is handled well with a foil shield. The wavelength of RFI is usually small and can pass through the 'holes' in a braided shield. EMI is usually larger wavelengths and needs a braided shield to increase the mass of shielding material to be effective.

Aluminum armored cables provide the ultimate in noise immunity as they are basically flexible conduit.

Select the shielded cordset that best meets your needs. If it is easier to tie the shield to ground inside the panel, the foil/drain with the drain not connected inside the cordset is a good choice. If you can connect the drain via a pin inside the device being connected, the foil/drain with the drain connected to a pin is a good choice. Any environments with EMI noise from things like large motors or welding equipment will benefit from a braided shield tied to the coupling nut.

TURCK shielded cordsets with the shield tied to the coupling nut offer complete shielding for the entire length of the cordset. A metal sleeve inside the molded body connects the braid/foil shield of the cable to the metal coupling nut with no loss of shielding potential.

TURCK armored cordsets are the ultimate in shielded connectors. A **TURCK** patented process allows the interlocked aluminum armor to be connected directly to the coupling nut offering the same protection as running conductors inside metal conduit.

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IP Protection Class

IP		Dust Protection						
		0_ Unprotected	1_ Objects ≥50mm	2_ Objects ≥12.5mm	3_ Objects ≥2.5mm	4_ Objects ≥1.0mm	5_ Dust Protected	6_ Dust Tight
Water Protection	_0 Unprotected	IP 00	IP 10	IP 20	IP 30	IP 40	IP 50	IP 60
	_1 Dripping Water		IP 11	IP 21	IP 31	IP 41	IP 51	IP 61
	_2 Dripping Water on 15° slant		IP 12	IP 22	IP 32	IP 42	IP 52	IP 62
	_3 Spraying Water			IP 23	IP 33	IP 43	IP 53	IP 63
	_4 Splashing Water				IP 34	IP 44	IP 54	IP 64
	_4K Splashing Water High Pressure				IP 34K	IP 44K	IP 54K	IP 64K
	_5 Jet Water						IP 55	IP 65
	_6 Intense Jet Water						IP 56	IP 66
	_6K Intense Jet Water High Pressure						IP 56K	IP 66K
	_7 Temporary immersion							IP 67
	_8 Continuous immersion as specified by manufacturer							IP 68
	_9K Water at high pressure/Steam jet cleaning							IP 69K

IP 67 Protection

First ID Number	Protection from penetration of...	Requirements
0	Unprotected	N/A
1	Solid Foreign Particles Ø50 mm	No full penetration of sphere with Ø50 mm
2	Solid Foreign Particles Ø12.5 mm	No full penetration of sphere with Ø12.5 mm
3	Solid Foreign Particles Ø2.5 mm	No penetration of rod with Ø2.5 mm
4	Solid Foreign Particles Ø1.0 mm	No penetration of wire with Ø1.0 mm
5	Dust	Dust may only penetrate in such quantity that function and safety are not impacted
6	Dust	No penetration of dust

Second ID Number	Protection from penetration of...	Requirements
0	Unprotected	N/A
1	Dripping water	Vertically falling drips may not cause any damage
2	Dripping water when the enclosure is in a slanted position of up to 15°	Vertically falling drips may not cause any damage
3	Spraying water	Spraying water, which is sprayed in a perpendicular angle of up to 60° may not cause any damage
4	Splashing water	Water splashing against the enclosure from every direction may not cause any damage
4K	Splashing water with increased pressure	Water splashing against the enclosure from every direction and with increased pressure may not cause any damage
5	Jet water	Water which is hosed against the enclosure from every direction may not cause damage
6	Intense jet water	Water which is hosed against the enclosure with high intensity may not cause any damage
6K	Intense jet water with increased pressure	Water which is hosed against the enclosure with high intensity and increased pressure may not cause any damage
7	Temporary immersion in water	Water may not enter the enclosure in such quantity as to cause damage when the enclosure is held under water for a set period of time using predetermined pressure (1 m for 30 min)
8	Continuous immersion in water	Water may not enter the enclosure in such quantity as to cause damage when the enclosure is held under water for a set period of time using predetermined pressure (TURCK standard is 6' of water, and other chemicals, for a period of 24 hours)
9K	Water at high-pressure/steam jet cleaning	Water which is directed against the enclosure from every direction with extremely high pressure may not cause any damage (14 to 16 l/min at 8,000 to 10,000 kPa)

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NEMA Standards

NEMA		NEMA 1	NEMA 2	NEMA 12	NEMA 13	NEMA 3	NEMA 3R	NEMA 4	NEMA 4X	NEMA 6	NEMA 6P
Rating Type		Indoor				Outdoor		Indoor/Outdoor			
Protection against:	Test Number										
Incidental Contact	6.2	•	•	•	•	•	•	•	•	•	•
Falling Dirt	6.2	•	•	•	•	•	•	•	•	•	•
Rust	6.8	•		•	•	•	•	•	•	•	•
Circulating Dust, Lint, Fibers (nonhazardous)	6.5.1.2(2)			•	•	•		•	•	•	•
Windblown Dust	6.5.1.1(2)					•		•	•	•	•
Falling Liquids/Light Splashing	6.3.2.2		•	•	•	•		•	•	•	•
Rain	6.4.2.1					•	•	•	•	•	•
Rain	6.4.2.2					•		•	•	•	•
Snow and Sleet	6.6.2.2					•	•	•	•	•	•
Hose Down and Splashing Water	6.7							•	•	•	•
Occasional Prolonged Submersion	6.11(2)									•	•
Oil and Coolant Drip	6.3.2.2			•	•						
Oil and Coolant, Spray/Splash	6.12				•						
Corrosive Agents	6.9					•	•		•		•



6.2 Rod Entry Test - a 1/2" diameter rod may not enter the enclosure and a 1/8" rod cannot enter within 4" of live components

6.3 Drip Test - 20 drops per minute for 30 minutes with no water entering enclosure 6.3.2.2 Evaluation, no water shall enter enclosure

6.4 Rain Test - All exposed surfaces are sprayed with 5 psi of water for 60 minutes at a rate of 18" per hour rise in a straight sided pan 6.4.2.1 Evaluation, No water shall have reached live parts, insulation, or mechanisms 6.4.2.2 Evaluation, No water shall have entered enclosure

6.5.1.1 (2) Outdoor Dust Test (alternate method) - Stream of water at 45 gallons per minute from a 1" diameter nozzle, from all directions at a distance from 10' to 12'. Test time is a minimum of 5 minutes. No water shall enter enclosure.

6.5.1.2 (2) Indoor Dust Test (alternate method) - Atomized water at 30 psi is sprayed from all directions from a distance of 12" to 15" at a rate of 3 gallons per hour. No water shall enter enclosure.

6.6 External Icing Test - The enclosure is sprayed with water between 0°C and 3°C in a room at 2°C. The spray is between 1 and 2 gallons per hour per square foot. Spray for 1 hour. The room temp is then dropped to between -7°C and -3°C with the spray still going. Ice needs to build up on a test bar at a rate of 1/4 inch per hour. Spray continues until 3/4 inch of ice is on the enclosure. Room temperature is maintained for at least 3 hours. 6.6.2.2 Evaluation, enclosure is undamaged after ice has melted.

6.7 Hose down Test - Stream of water at 65 gallons per minute from a 1" diameter nozzle from all angles at a distance of 10' to 12'. Test time is 48 seconds times (height + width + depth of enclosure in feet) or a minimum of 5 seconds. No water shall enter enclosure.

6.8 Rust Resistance Test - only applicable to enclosures incorporating external ferrous parts

6.9 Corrosion Protection - Test per UL 508, 6.9 or 6.10.

6.11 (2) Air Pressure Test (alternate method) - Enclosure is submerged in water at a pressure equal to a depth of 6' for 24 hours. No water shall enter enclosure.

6.12 Oil Exclusion Test - Stream of test liquid at 2 gallons per minute from a 3/8" nozzle for 30 minutes. Water with 0.1% wetting agent is directed from all angles from a distance of 12" to 18". No test liquid shall enter the enclosure.

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Conversion Chart		
AWG to Metric		
AWG	Diameter mm	Section mm ²
8	3.26	10
10	2.59	6
12	2.05	4
14	1.63	2.5
16	1.29	1.5
18	1.024	0.75
20	0.813	0.5
22	0.643	0.34
24	0.511	0.25
26	0.405	0.14
28	0.32	0.05
30	0.255	0.05

Thread Conversion Chart	
PG to Metric	
PG	Diameter (mm)
7	12
9	16
11	20
16	25

Cable Length Tolerance Chart	
All Lengths	
Strip Length	Diameter (mm)
0-7 mm	±0.5 mm
8-29 mm	±1.0 mm
30-49 mm	±2.0 mm
50-69 mm	±3.0 mm
70-100 mm	±4.0 mm
Over 100 mm	±5.0 mm



Installing Cable Products in Accordance with the National Electrical Code (NEC)

The NEC is a set of guidelines for installation of electrical devices, including cables, meant to reduce the risk of electrical shock, fire, etc. The NEC is simply a code and local laws may or may not require installation based on the NEC. Check local laws for applicability.

The NEC generally does not cover cables installed inside a machine. Any cables installed in an exposed manner, on the outside of a machine or from one machine to something else, must be an approved type and installed in accordance with the appropriate NEC articles.

UL (Underwriters Laboratory) and CSA (Canadian Standards Association) are the primary sources in North America for approving cables to specific standards. While a cable installed within a piece of machinery does not fall under the NEC, most people want to install an approved cable. **TURCK** cables have both UL and CSA approvals. Many of these approvals are the UL AWM (Appliance Wiring) approvals and are acceptable for use in a UL approved device. A UL Listed cable may be installed outside a machine per the NEC standards. UL Listed cables available from **TURCK** include NEC designations for hard duty cables (SOOW, SJOOW, STOOW, SEOW), armored cables (MC), and tray-rated cables (PLTC, ITC).

Hard duty cables designations are:

- S - Service Grade (600V)
- SJ - Service Grade Junior (300V)
- ST - Service Grade Thermoplastic (600V)
- SE - Service Grade Thermoplastic Elastomer (600V)
- O - Oil resistant jacket material
- OO - Oil resistant jacket and conductor insulation
- W - Weather proof

TURCK armored cables are available in 3 different configurations. Type MC cables, type MC cables with ITC/PLTC approvals and simply ITC/PLTC approved. Armored cables with ITC/PLTC approvals may be installed in an exposed run without being offered additional mechanical protection.

Tray-rated cables from **TURCK** include Instrument Tray Cable (ITC) and/or Power Limited Tray Cable (PLTC).

TURCK NEC type approved cables are dual listed with other UL type approvals. For example, the RKM 126-*M cordset has a 12 conductor 16 AWG cable with UL AWM 600V approval and ITC/PLTC approval.

Please refer to the NEC and local laws for specific installation requirements based on your environment.

Cable Applications

Proper management of cabling systems can mean the difference between a dependable and smooth operating installation and costly reoccurring down time. The suggestions outlined below illustrate some of the common sources of problems and provide simple and effective solutions.

Proper Bend Radius for Fixed and Moving Applications

Providing sufficient bend radius will allow the cable to absorb the energy of bending over a greater portion of its length, increasing its effective working life. Small increases in the radius of the bend can produce substantial increases in cable life.

Fixed Applications:
Minimum bend radius 5x cable diameter



Moving Applications:
Minimum bend radius 10x cable diameter



Eliminating Stress Points in Cable Dress

Installing cables to allow for adequate stress loops and freedom of motion increase the life of the cables. **TURCK** cordsets incorporate molded strain reliefs that will assist in preventing stress.

Tie Down Loops

Correct



Incorrect



Strain Relief

Correct



Incorrect



Cable Bundling Techniques

When bundling several cables together, always keep the bundle loose enough to move within itself. Tightly tied bundles create both compression and tension stresses when the bundle is moved.

Correct



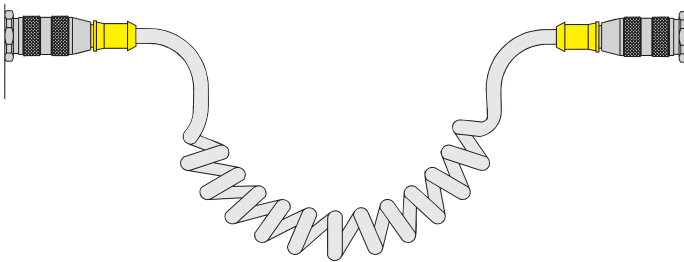
Incorrect



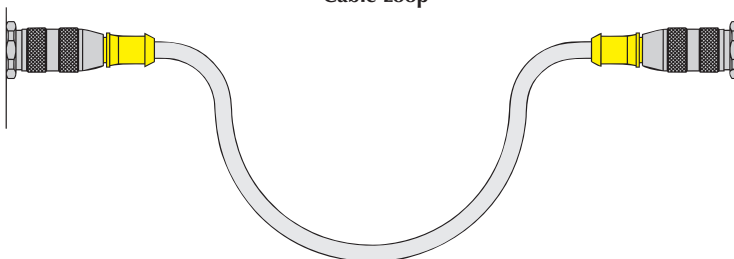
Cabling for Motion Applications

Where cabling is subjected to linear, angular or rotational motion between two points, always allow adequate cable length to absorb the energy imparted by the motion. Use of coiled cords, mechanical support mechanisms, or large, well supported cable loops will maximize cable life.

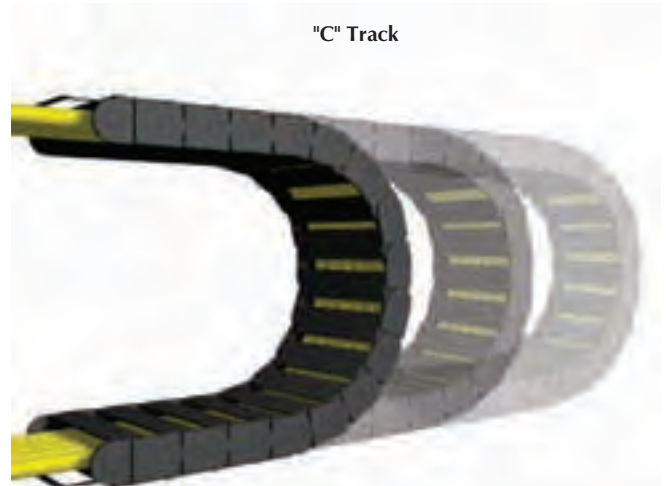
Coil Cord



Cable Loop



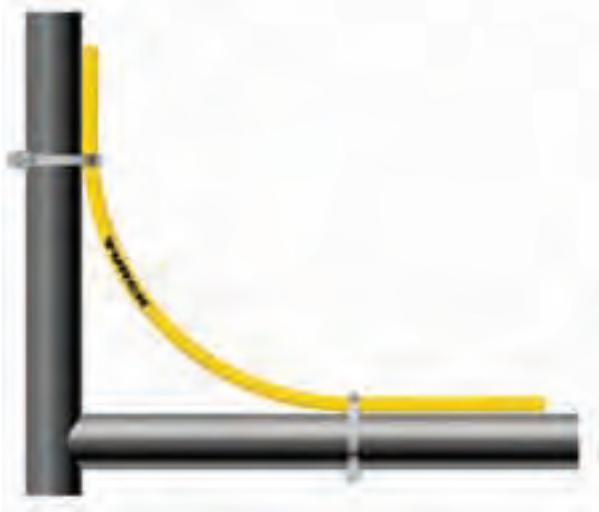
"C" Track



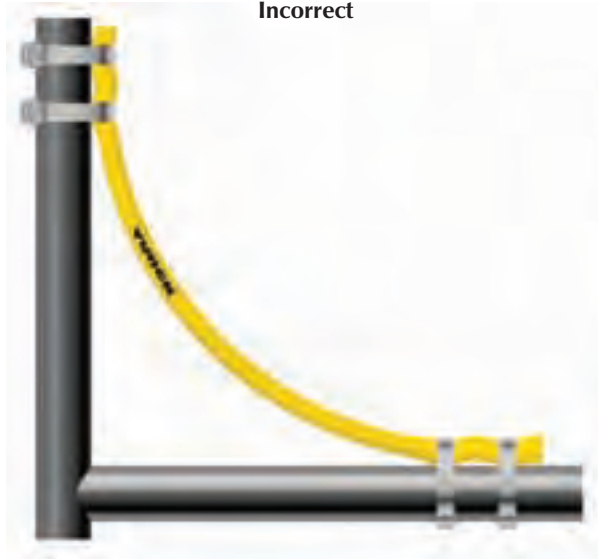
Tying Cables with Cable Ties

When tying cable with self locking cable ties, always leave the ties loose enough for the cables to slide freely under the tie. Over tightening will create stress concentrations that can cause the conductors to fail prematurely. Never tighten the tie to the point where the cable jacket becomes deformed or pinched.

Correct



Incorrect



Installation Instructions for TURCK's *minifast*® and *eurofast*® Connectivity Products

Follow these simple steps to ensure that your **TURCK** connectivity products are installed for best performance and safety.

Step One:

Many instruments are available with a **TURCK** receptacle pre-installed. If a receptacle is already installed, proceed to Step Two. If field installation of a receptacle is necessary, feed the receptacle leads through the instrument's conduit entry and thread the receptacle into the entry threads. Receptacles with NPT threads should be tightened per the requirements for NPT conduit fittings. Receptacles with straight threads (M20 or NPSM) should be tightened to deflect the O-ring just sufficiently to effect a good seal. The receptacle leads should then be connected to the terminals of the instrument. Consult the instrument manual for terminal identification and preferred method of connection. Also, please refer to the product catalog or online at www.turck.com for the pin-out of the receptacle.



Step Two:

minifast connectors are designed to industry standards SAE H1738 and ANSI/B93.55M. The environmental seal for mated connectors is formed by the 'cork and bottle' design of the pin and socket carriers in which each connection chamber is individually sealed. The connection must be properly secured to achieve this seal, as well as to ensure a good electrical performance.

The keyed cordset should be aligned with the key on the instrument receptacle. The cordset should then be pushed into the receptacle and the coupling nut turned until hand tight. The cordset should then be pushed firmly into the receptacle a second time and the coupling nut hand tightened again. This generally allows an additional 1/8 - 1/4 turn and ensures that a tight, weather-proof connection is made. No tools should be used in tightening the connections, as damage to the contacts could occur if the connection is over-tightened.

eurofast connectors are designed to industry standard SAE H1738. The environmental seal for mated connectors is formed by an O-ring seal. The connection must be properly secured to achieve this seal, as well as to ensure a good electrical performance.

The keyed cordset should be aligned with the key on the instrument receptacle. The cordset should then be pushed into the receptacle and the couple nut turned until hand tight. While rotating the coupling nut, the installer may notice a 'ratcheting' sensation. This is an anti-vibration feature designed to maintain the connection in high-vibration environments. No tools should be used in tightening the connection, as damage to the contacts could occur if the connection is over-tightened.



TURCK

Process Wiring Products

Installation Instructions for TURCK's *minifast*® and *eurofast*® Connectivity Products

Step Three:

Most **TURCK** process wiring products are designed and approved for use in hazardous locations. If the installation is in a hazardous location, there may be additional actions necessary, such as locking the connection with a **lokfast**™ guard (as shown in the figure below), using an approved energy limiting source of power, or ensuring that the instrument has the appropriate approval. FM approved control drawings detail the requirements for compliant installation of **TURCK** products. The appropriate control drawing number will be identified in the product markings and may be viewed or downloaded from www.turck.com/fmcd. Consult the instrument manual to ensure the instrument has the appropriate approval and to determine if the approval imposes any additional constraints.

