

Network Media

TURCK offers a complete line of molded industrial networking cordsets to aid network installation, providing easier startup with fewer wiring errors. We are dedicated to providing solutions and support the most common protocols including Ethernet, PROFINET™, DeviceNet™, CANopen, FOUNDATION™ Fieldbus and AS-Interface®.



Industrial Ethernet Cordsets including PROFINET

- TPE jacketing provides excellent flexibility and resistance to flame, oil and moisture
- Shielding, including braid and foil, is effective for both RFI and EMI noise
- Solid conductor is used for horizontal cabling in fixed applications
- Stranded conductor is designed with flex-life for high mobility applications



DeviceNet and CANopen

- Cables are ODVA compliant and available in thin, mid and thick styles
- PVC jacketing is UL PLTC and CSA listed, flame retardant and sunlight resistant
- TPE jacketing is UL and CSA AWM recognized, oil resistant and excellent cold performance



PROFIBUS and PROFIBUS-DP

- Cables meet the requirements for EN 50170 for communication supporting up to 12 Mbps
- PVC jacketing is UL PLTC listed and rated for exposed run (ER) and direct burial (DB), and it is also suitable for use in Class 1, Div 2 hazardous locations
- Polyurethane jacketing is UL and CSA AWM recognized, oil resistant and excellent cold performance



PROFIBUS-PA

- Cordsets meet the requirements of IEC 61158-2 (ISA/SP-50) and PROFIBUS-PA
- Cables are UL ITC/PLTC and CSA listed, FT4 recognized, rated for Exposed Run (ER) and Direct Burial (DB) and suitable for Class 1, Div 2 hazardous locations
- Jacketing is flame retardant, sunlight resistant and available in armored options



FOUNDATION Fieldbus

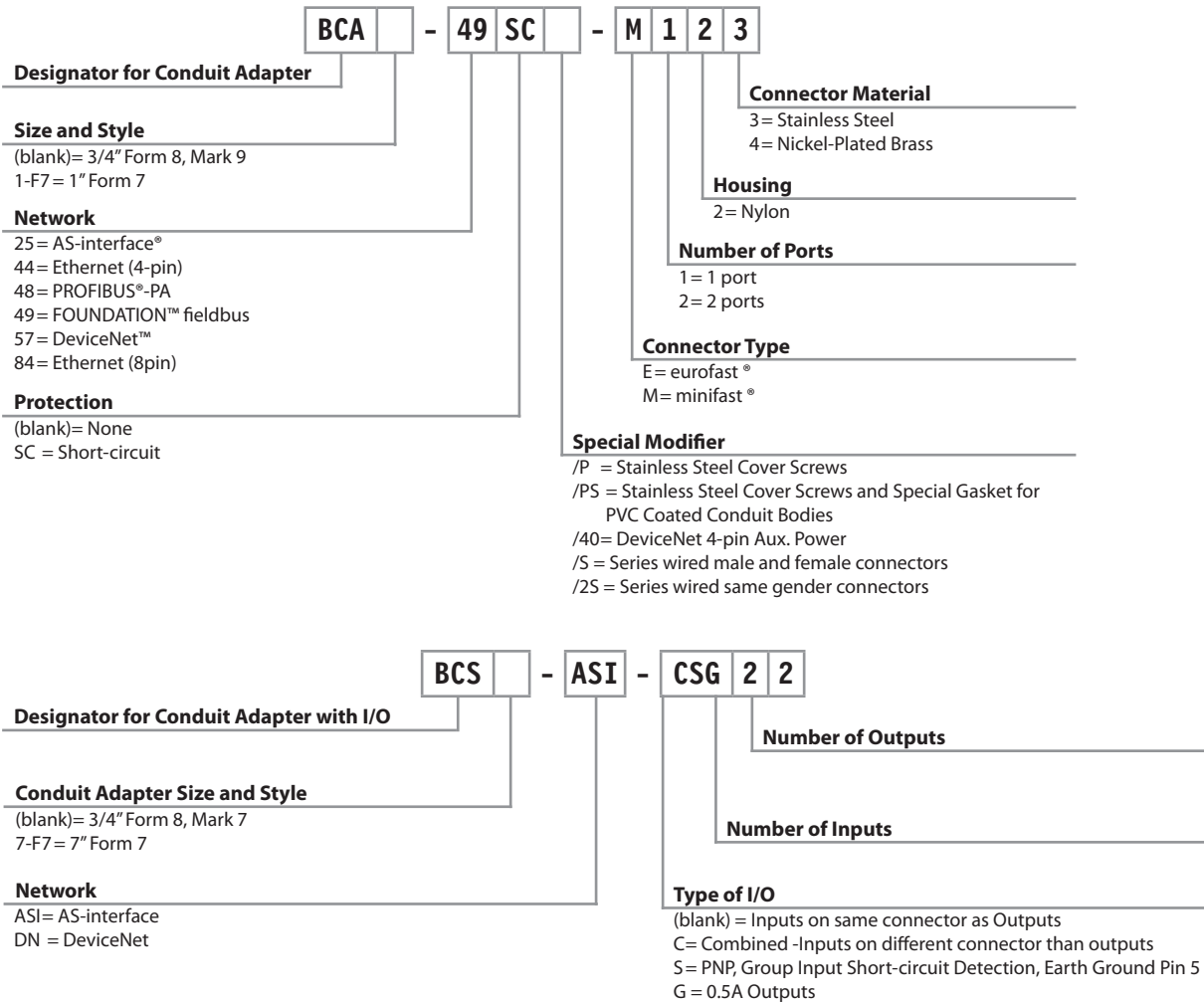
- Cordsets meet the requirements of IEC 61158-2 (ISA/SP-50) and FF-844 Type A
- Cables are UL ITC/PLTC and CSA listed, FT4 recognized, rated for Exposed Run (ER) and Direct Burial (DB) and suitable for Class 1, Div 2 hazardous locations
- Jacketing is flame retardant and sunlight resistant



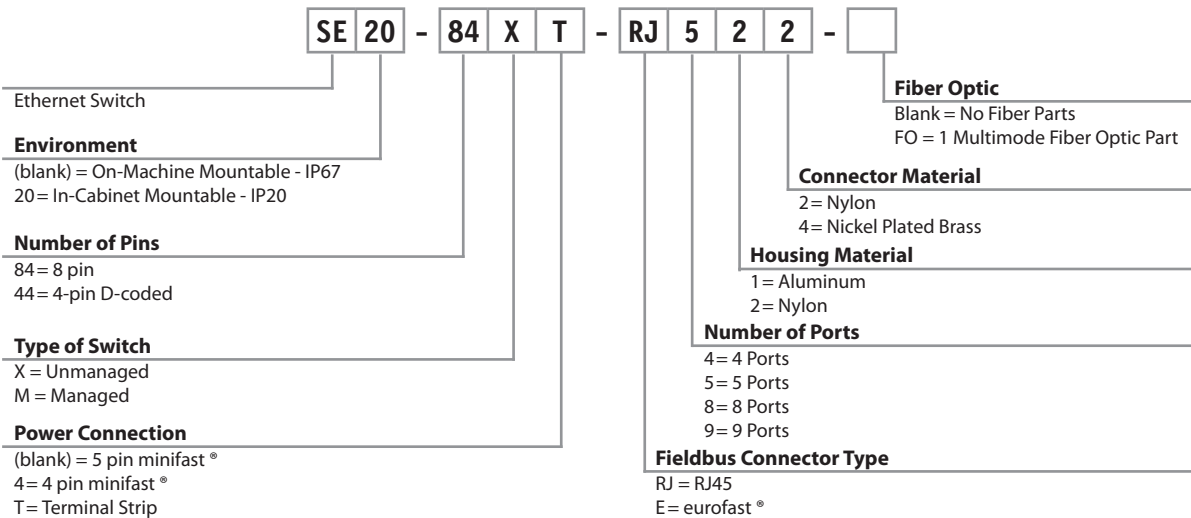
PRODUCT	PAGE
Part number keys	H3
Industrial Ethernet Cordsets including PROFINET	H8
DeviceNet and CANopen	H44
FOUNDATION™ fieldbus	H92
PROFIBUS® -DP/PA	H126
AS-interface®	H164

NETWORK WIRING

Network Conduit Adapter Part Number Keys



EtherNet Switches Part Number Key



EtherNet On-Machine Network Junctions Part Number Key

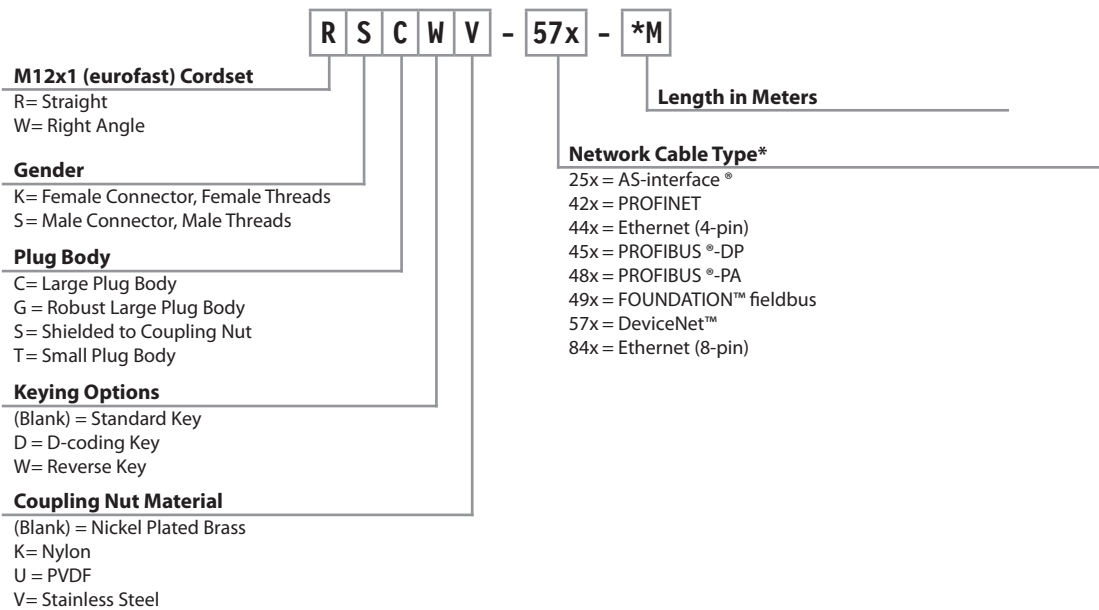
JB BS - 57 SC		- M 6 3 3 M	
Type of Housing JB = Junction Box On-Machine Mount (IP67)		picofast Connector Type M= Threads S= Snap	
Bus Station		Connector Material 1= Nickel-Plated Brass 3= Stainless Steel	
Network 25= AS-interface® 45= PROFIBUS®-DP 48= PROFIBUS®-PA 49= FOUNDATION™ fieldbus 57= DeviceNet™		Housing Material 0= Aluminum (DeviceNet only) 1= Aluminum 2= Fiberglass 11/12= Nylon (DeviceNet only) 5= Stainless Steel	
Protection (blank) = None SC= Short-Circuit VM= Voltage Monitoring		Number of Ports 4= 4 ports 6= 6 ports 8= 8 ports	
Bus Connector Type (Blank) = minifast Bus Connectors FS = Male M12 Bus Connectors FS/VM= Male M12 Bus Connector with Voltage Monitoring		Connector Type E= eurofast M= minifast P= picofast	

EtherNet In-Cabinet Network Junction Part Number Key

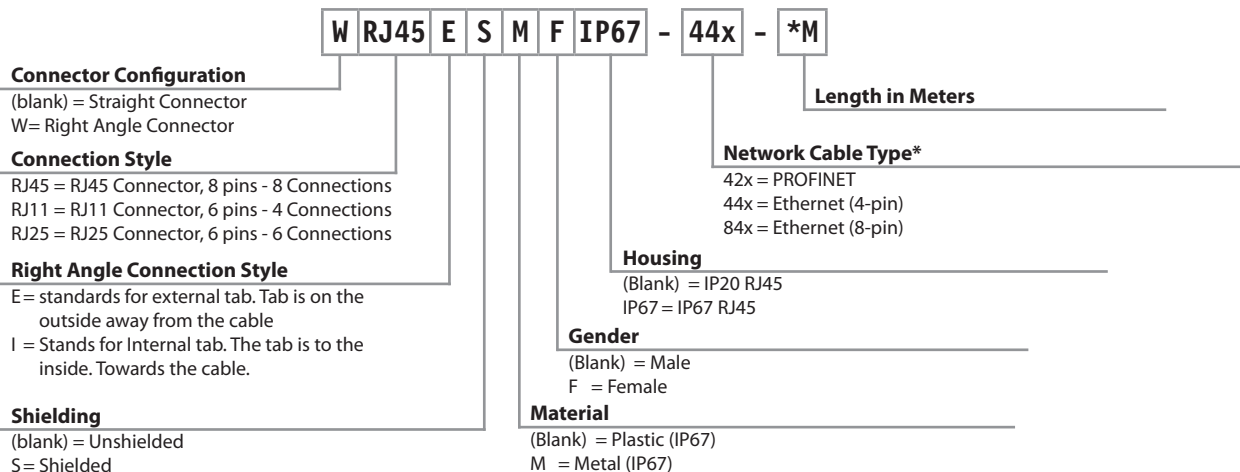
JR BS - 57 SC -		12 R	
Type of Network Junction JR = Junction Rail In-Cabinet Mount (IP67)		Mounting Method (blank) = Standard 35mm DIN Rail R= Extended Rail Mount	
Bus Station		Number of Ports 4= 4 ports 6= 6 ports 8= 8 ports 10= 10 ports 12= 12 ports	
Network 25= AS-interface® 48= PROFIBUS®-PA 49= FOUNDATION™ fieldbus 57= DeviceNet™		Unique Identifier TR= Embedded Terminating Resistor	
Protection (blank) = None SC= Short-Circuit VM= Voltage Monitoring			

NETWORK WIRING

eurofast® Network Cordsets Part Number Key

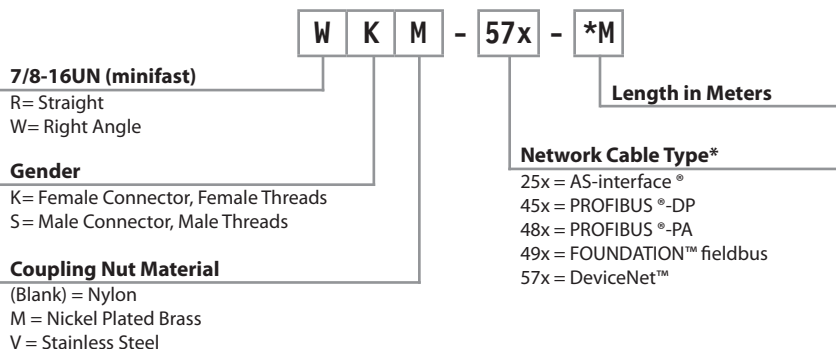


RJ Network Cordsets Part Number Key



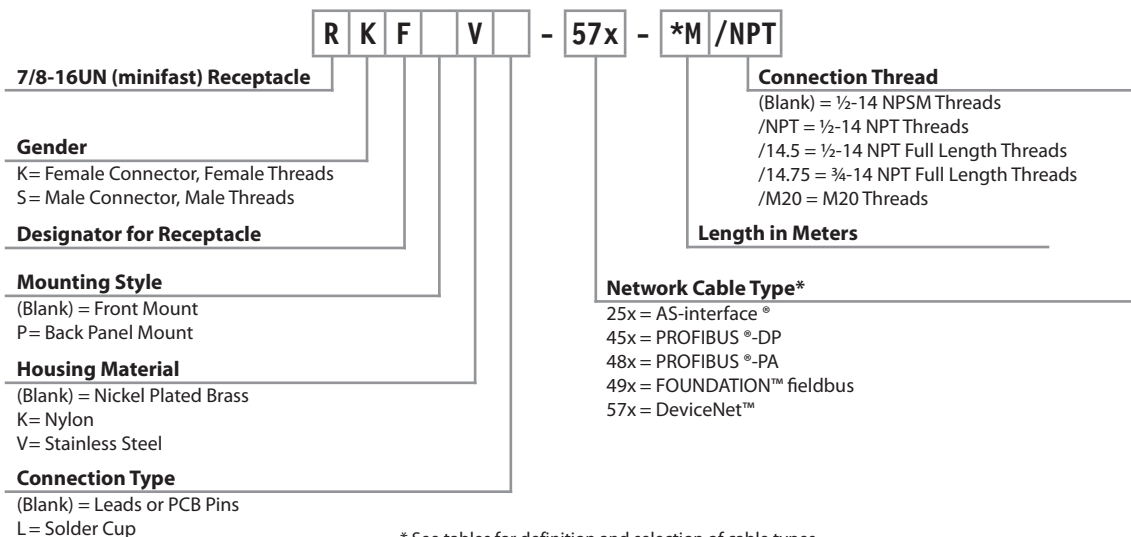
* See tables for definition and selection of cable types

minifast® Network Cordsets Part Number Key



* See tables for definition and selection of cable types

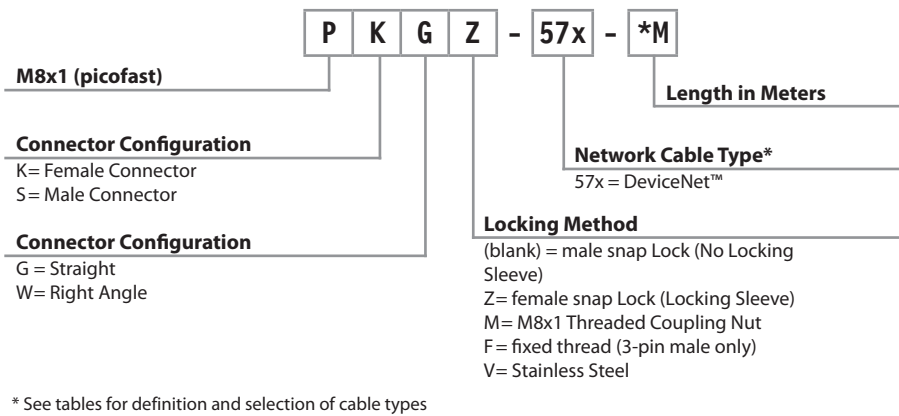
minifast Network Receptacle Part Number Key



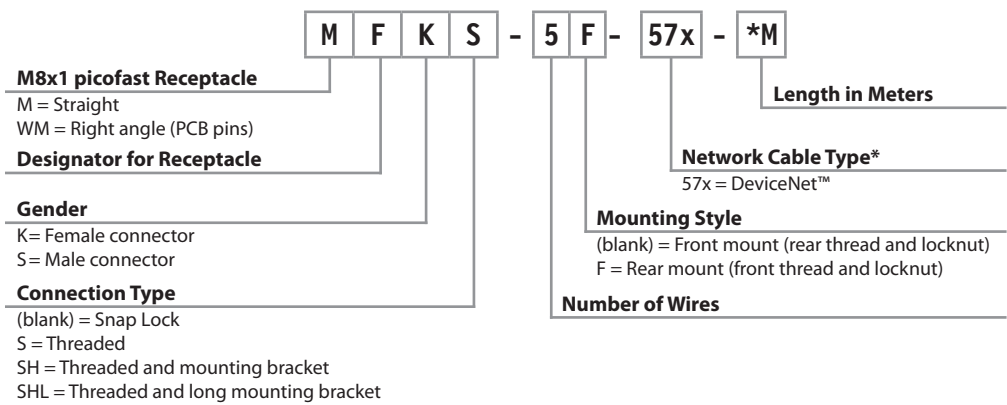
* See tables for definition and selection of cable types

NETWORK WIRING

picofast® Network Cordsets Part Number Key



picofast Network Receptacle Part Number Key



PROFIBUS®–DP Physical Media Connectivity

PROFIBUS-DP Cable	H127
Cordsets	H128
Receptacles	H135
Field Wireables	H139

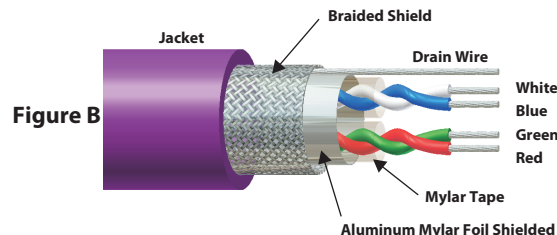
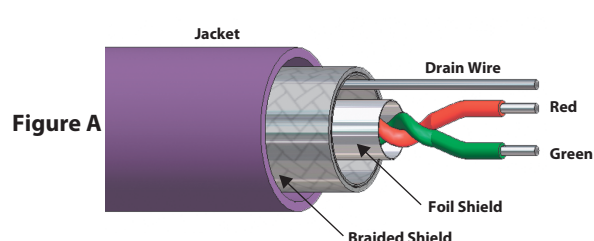
Features

- Cables that meet the requirements of EN 50170 for communication up to 12 MBAUD
- PLTC rated cable (CSA FT4)
- Oil RES II and sunlight resistant
- M12 reverse keyed connectors
- Up to 4A and 250V rated
- IP67/IP69K rated

NETWORK WIRING

PROFIBUS®-DP, Cable Specifications

- Cable that Meets the Requirements of EN50170-2-2:1996 for Communications Up to 12 Mbaud



Baud Rate (k baud)	9.6	19.2	93.75	187.5	500	1500	1200
Maximum Trunk Length	1200 meters	1200 meters	1200 meters	1000 meters	400 meters	200 meters	100 meters

Type	Approvals	Data Pair		2nd Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire		
455 AWM 2464 80°C 300 Volts, Stranded	NEC PLTC ER DB CEC AWM-I/II A/B FT4	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	PVC Purple 8.5 mm (.335 in)	Foil/Braid 22 AWG	RB50672-*M 62 lbs.	A
456 AWM 20233 80°C 300 Volts, Stranded	NEC AWM CEC AWM-I/II A/B	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	TPU Purple 7.9 mm (.310 in)	Foil/Braid 22 AWG	RB50683-*M 48 lbs.	A
457 80°C 600 Volts, Solid	NEC CMX	2/22 AWG RD/GN solid	16.5 Ohms PE	None	N/A	TPU Purple 7.8 mm (.307 in)	Foil/Braid No Drain	RB50708-*M 51 lbs.	A
458 AWM 20233 80°C 300 Volts, Stranded	NEC AWM CEC AWM-I/II A/B	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	TPU Plum 8.5 mm (0.335 in)	Foil/Braid 22 AWG	RB50692-*M 58 lbs. <i>flexlife</i> ®	A
4511 AWM 2464 80°C 300 Volts, Stranded	NEC PLTC CEC AWM-I/II A/B FT4	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	PVC Purple 8.5 mm (.319 in)	Foil/Braid 22 AWG	RB50881-*M 64 lbs. <i>flexlife</i>	A
4515 80°C 300 Volts, Stranded	IEC-60332-3 IEC-60754-1 EN 50267-2-2	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	TPU Purple 7.5 mm (0.295 in)	Foil/Braid 22 AWG	RB51225-*M 42 lbs. Halogen-Free ††	A
590 AWM 2464 80°C 300 Volts, Stranded	NEC AWM	2/22 AWG RD/GN	16.5 Ohms PE	2/22 AWG BU/WH	16.5 Ohms PE	PVC Purple 8.4 mm (.330 in)	Foil/Braid 22 AWG	RB51057-*M 75 lbs.	B

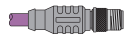
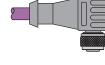
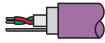
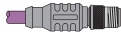
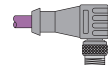
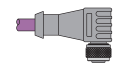
* Indicates length in meters.

Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters.

†† Zero Halogen: to DIN VDE 0472 part 815 + IEC 60754-1

DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-DP, (M12x1) eurofast® Cable and Cordset Selection Matrix

		eurofast			
		Pin (Male)		Socket (Female)	
		 1 RSSW	 2 WSSW	 3 RKSW	 4 WKSX
		 Bare	RSSW 45x-*M WSSW 45x-*M	RKSW 45x-*M WKSX 45x-*M	
eurofast	Pin (Male)	 1 RSSW	RSSW RSSW 45x-*M RSSW WSSW 45x-*M	RSSW RKSW 45x-*M RSSW WKSX 45x-*M	
		 2 WSSW		WSSW RKSW 45x-*M WSSW WKSX 45x-*M	
	Socket (Female)	 3 RKSW			RKSW WKSX 45x-*M
		 4 WKSX			

See page H129 for dimensional drawings.

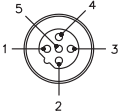
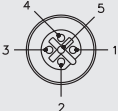
* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSSW...RSSWV.

Pinouts

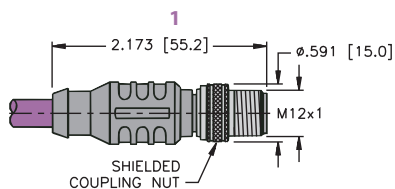
eurofast	45 series pinout	59 series pinout	eurofast
Male 	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Bare (Shield Drain Wire)	1. Blue (TxD_1) 2. Green (TxD) 3. White (RxD_1) 4. Red (RxD) 5. Bare (Shield Drain Wire)	Female 

NETWORK WIRING

PROFIBUS® -DP, (M12x1) *eurofast*® Cable and Cordsets

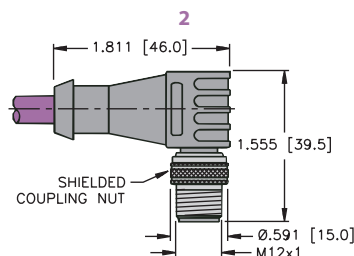
Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)



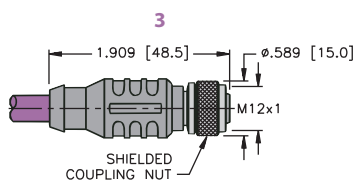
RSSW ..

Page H128



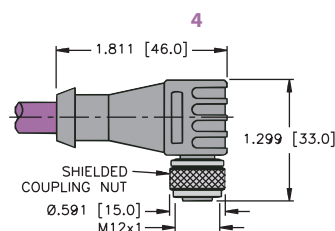
WSSW ..

Page H128



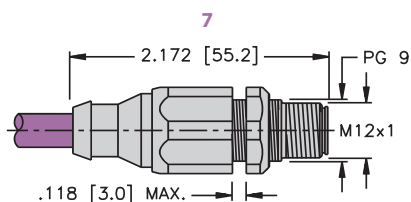
RKSX ..

Page H128



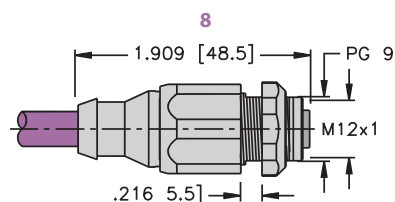
WKSX ..

Page H128



FSSDWE ..

Page H128



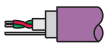
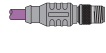
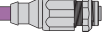
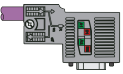
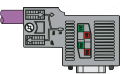
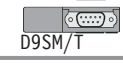
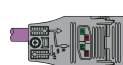
FKSDWE ..

Page H128

DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-DP, (M12x1) *eurofast*® Cable and Cordset Selection Matrix



		<i>eurofast</i>							
			Pin (Male)		Socket (Female)		Pin (Male)	Socket (Female)	
									
9-Pin Sub D Connector	Terminator		Bare	RSSW	WSSW	RKSW	WKSW	FSSDWE	FKSDWE
	10 D9S/T		D9S/T 45x-*M	RSSW D9S/T 45x-*M	WSSW D9S/T 45x-*M	RKSW D9S/T 45x-*M	WKSW D9S/T 45x-*M	FSSDWE D9S/T 45x-*M	FKSDWE D9S/T 45x-*M
	Master		D9SM/T 45x-*M	RSSW D9SM/T 45x-*M	WSSW D9SM/T 45x-*M	RKSW D9SM/T 45x-*M	WKSW D9SM/T 45x-*M	FSSDWE D9SM/T 45x-*M	FKSDWE D9SM/T 45x-*M
	12 D9SM/T		D9SM/T 45x-*M	RSSW D9SM/T 45x-*M	WSSW D9SM/T 45x-*M	RKSW D9SM/T 45x-*M	WKSW D9SM/T 45x-*M	FSSDWE D9SM/T 45x-*M	FKSDWE D9SM/T 45x-*M
	11 SD9S/T		SD9S/T 45x-*M	RSSW SD9S/T 45x-*M	WSSW SD9S/T 45x-*M	RKSW SD9S/T 45x-*M	WKSW SD9S/T 45x-*M	FSSDWE SD9S/T 45x-*M	FKSDWE SD9S/T 45x-*M

See page H129 and H133 for dimensional drawings.

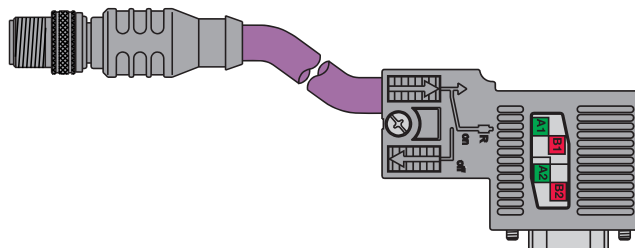
* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

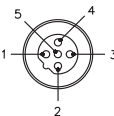
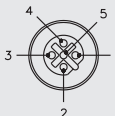
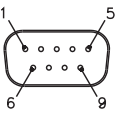
For stainless steel coupling nuts change part number RSSW...RSSWV.

Extension Example:



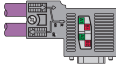
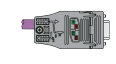
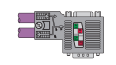
RSSW D9S/T 455-0.3M

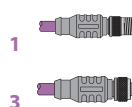
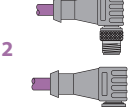
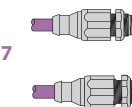
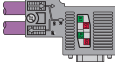
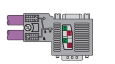
Pinouts

<i>eurofast</i>	45 series pinout	<i>eurofast</i>	D9	D9 pinout
Male 	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Bare (Shield Drain Wire)	Female 	Male 	1 = N/C 2 = N/C 3 = RD (RXD) 4 = N/C 5 = N/C 6 = N/C 7 = N/C 8 = GN (TXD) 9 = N/C

NETWORK WIRING

PROFIBUS®-DP, (M12x1) *eurofast*® Cable and Cordset Selection Matrix

		eurofast							
				Pin (Male)		Socket (Female)		Pin (Male)	Socket (Female)
									
		Bare	RSSW	WSSW	RKSW	WKSX	FSSDWE	FKSDWE	
	Node		D9S 45x-*M	RSSW D9S RSSW 45x-*M-*M	WSSW D9S WSSW 45x-*M-*M	RKSW D9S RKSW 45x-*M-*M	WKSX D9S WKSX 45x-*M-*M	FSSDWE D9S FSSDWE 45x-*M-*M	FKSDWE D9S FKSDWE 45x-*M-*M
	Straight		SD9S 45x-*M	RSSW SD9S RSSW 45x-*M-*M	WSSW SD9S WSSW 45x-*M-*M	RKSW SD9S RKSW 45x-*M-*M	WKSX SD9S WKSX 45x-*M-*M	FSSDWE SD9S FSSDWE 45x-*M-*M	FKSDWE SD9S FKSDWE 45x-*M-*M
			D9SM 45x-*M	RSSW D9SM RSSW 45x-*M	WSSW D9SM WSSW 45x-*M-*M	RKSW D9SM RKSW 45x-*M-*M	WKSX D9SM WKSX 45x-*M-*M	FSSDWE D9SM FSSDWE 45x-*M-*M	FKSDWE D9S FKSDWE 45x-*M-*M

		<i>eurofast</i>			
			Pin (Male)		Socket (Female)
					
		Bare	1 RSSW/RKSW	2 WSSW/WKSX	7 FSSDWE/FKSDWE
			3	4	8
Node	10 	D9S 45x-*M	RSSW D9S RKSW 45x-*M-*M	WSSW D9S WKSX 45x-*M-*M	FSSDWE D9S FKSDWE 45x-*M-*M
	11 	SD9S 45x-*M	RSSW SD9S RKSW 45x-*M-*M	WSSW SD9S WKSX 45x-*M-*M	FSSDWE SD9S FKSDWE 45x-*M-*M
	12 	D9SM 45x-*M	RSSW D9SM RKSW 45x-*M-*M	WSSW D9SM WKSX 45x-*M-*M	FSSDWE D9SM FKSDWE 45x-*M-*M

See page H129 and H132-H133 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSSW...RSSWV.

See previous page for pinouts.

DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-DP, Field Wireable D9 Connectors



- Provides Connection to Master or Node in the field
- Maximum Cable O.D. is 8.5 mm

Housing Style	Part Number	Features	Pinouts	
	Connector, PDP, D9S	-25° to +80°C, right angle, terminating switch	1. N/C 2. N/C 3. RED (Bus_B) 4. N/C 5. N/C 6. N/C 7. N/C 8. Green (Bus_A) 9. N/C	Male
	Connector, PDP, SD9S	-25° to +80°C, straight, terminating switch		
	Connector, PDP, D9SM	-25° to +80°C, right angle, master, terminating switch		

NETWORK WIRING

PROFIBUS® -DP, Field Wireable D9 Connectors

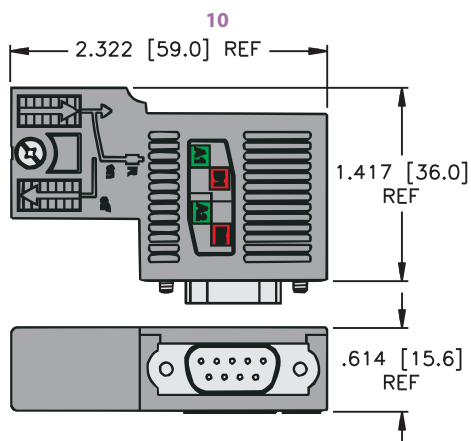
Specifications - (D9)

Terminating Switch:	Yes
Protection:	IEC IP 20
Rated Voltage:	4.75-5.25 VDC
Rated Current:	5 mA
Temperature Rating:	-25° to +60°C

*Max. Cable diameter: 8.5 mm

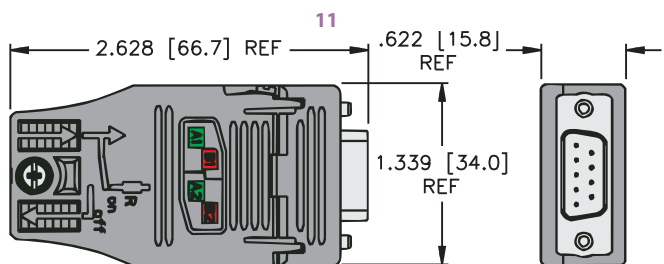
Specifications (FKSDWE .. FSPDWE)

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67
Rated Voltage:	250 V
Rated Current:	4 A
Temperature Rating:	-40° to +75°C



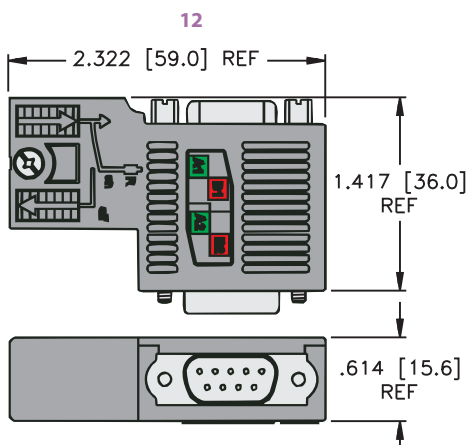
Connector, PDP, D9S

Page H130



Connector, PDP, SD9S

Page H130



Connector, PDP, D9SM

Page H130

Note: Part numbers are for ordering connector only.
Cable must be ordered separately.

DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-DP, Terminating Resistors

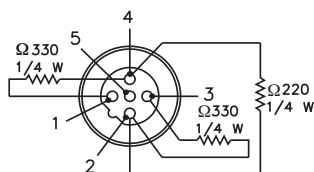


- Terminating Resistors Stabilize and Minimize Reflections on the Bus Line
- A Terminating Resistor is Required at the Beginning and End of the Main Bus Line



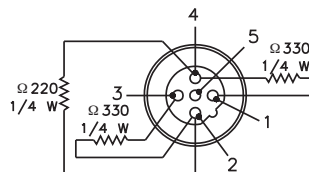
Housing Style	Part Number	Features	Pinouts	
	RSSW 45-TR	Nickel plated brass, 250 V, 4 A, -40° to +75°C, internal resistor, male eurofast connector, reverse keyed	1. N/C 2. GN 3. N/C 4. RD 5. BARE	See Below
	RKSX 45-TR	Nickel plated brass, 250 V, 4 A, -40° to +75°C, internal resistor, female eurofast connector, reverse keyed	1. N/C 2. GN 3. N/C 4. RD 5. BARE	See Below
	PDP-TRA	Nickel plated brass, 250 V, 4 A, -40° to +75°C, active terminating resistor, external power supply minifast ® and eurofast connector, LED signal for power status	1. N/C 2. BUS_A 3. N/C 4. BUS_B 5. N/C	See Below
			1. N/C 2. GND 3. N/C 4. U_I=24 VDC 5. N/C	Male

Pinout Diagram, RSSW 45-TR



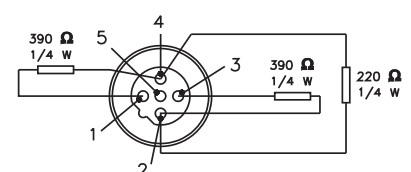
eurofast Male Connector

Pinout Diagram, RKSX 45-TR



eurofast Female Connector

Pinout Diagram, PDP-TRA



eurofast Male Connector

NETWORK WIRING

PROFIBUS®-DP, Circuit Board Connectors and OEM Receptacles

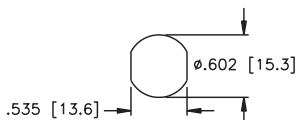
- Provides (M12x1) *eurofast*® Connection to Field Devices



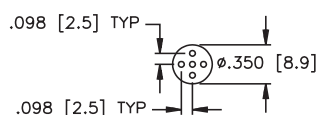
Housing	Female Part Number	Male Part Number	Application	Pinouts
FKFDW 45.. 	FKFDW 45-PCB	FSFDW 45-PCB	Nickel plated CuZn or stainless Steel, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> PCB pins	Female
FSFDW 45.. 				
FKFDLW 45.. 	FKFDLW 45	FSFDLW 45	Nickel plated CuZn or stainless Steel, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> solder cups	1. N/C 2. GN 3. N/C 4. RD 5. BARE Male
FSFDLW 45.. 				
WFSW 45.. 		WFSW 45-PCB	Nickel plated CuZn or stainless Steel, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> right angle PCB pins	

Standard housing material is nickel plated brass "FKFD .."; "FKFDV .." indicates 316 stainless steel.

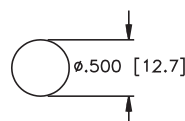
Panel Cutout
FKFD ... FSFD



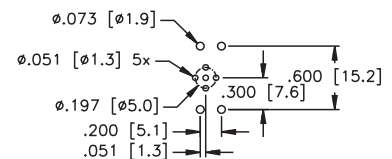
Board Layout (reference only)
FKFD ... FSFD



Panel Cutout
WFS



Board Layout (reference only)
WFS



DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-DP, Circuit Board Connectors and OEM Receptacles

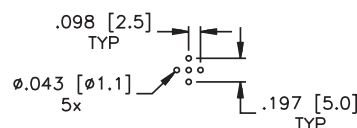
- Provides (M12x1) *eurofast*® Connection to Field Devices



Housing	Female Part Number	Male Part Number	Application	Pinouts
FKW 45 PCB KIT	FKW 45-PCB KIT	FSW 45-PCB KIT	Nickel plated CuZn or stainless steel, 250 V, 4 A, -30° to +75°C, male <i>eurofast</i> with mounting kit, Reverse key	Female Male
FSW 45 PCB KIT				
FK 45 PCB	FK 45-PCB	FSW 45-PCB	Nickel plated CuZn or stainless steel, 250 V, 4 A, -30° to +75°C, male <i>eurofast</i> , reverse key	Female Male
FSW 45 PCB				

Standard housing material is nickel plated brass "FKFD .."; "FKFDV .." indicates 316 stainless steel.

Board Layout (reference only) FK ... FS

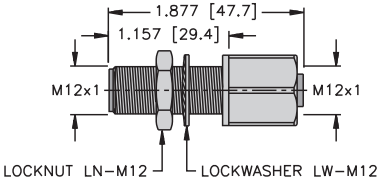
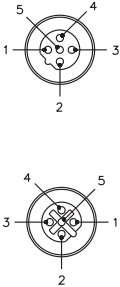


NETWORK WIRING

PROFIBUS®-DP, *eurofast*® Feed Through Receptacle

- Provides Bulkhead Panel Mount Connection



Housing Style	Part Number	Features	Pinouts
	FKW FSW 45/M12	Nickel plated brass or stainless steel, 250 V, 4 A, -40° to +75°C, straight male/female connector, for pre-molded reverse keyed <i>eurofast</i> cables	

For stainless steel change part number to FKWV FSWV 45/M12

DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-DP, *eurofast*® Bus Tees

- Creates a Branch from the Main Bus Line



Housing Style	Part Number	Features	Wiring Diagrams
	RKS 2RSSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> drop connector, fully shielded <i>eurofast</i> tee, passive termination	
	* RKS 2RSSW 45-0001	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C, Male <i>eurofast</i> connector, fully shielded <i>eurofast</i> tee	
	VB2/FSW/FKW/FSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C, Y Junction, fully shielded <i>eurofast</i> connectors	
	YBZ2-FSW/FKW/FSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C	
	YBZ2-FKM/FKW/FSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C	

Pinouts

<i>eurofast</i>	
Male	Female

PROFIBUS®-DP, eurofast® Field Wireable Connectors with Labels

-

Female



Male



The female gamete contains four chromosomes: a large pair (1 and 2) and a small pair (3 and 4). The male gamete contains four chromosomes: a large pair (1 and 2) and a small pair (3 and 4). The chromosomes are arranged in a circular pattern with labels 1, 2, 3, and 4 pointing to specific chromosomes.

PROFIBUS®—PA Physical Media Connectivity

Cordsets	H143
Receptacles	H147
Tees	H152
Field Wireables	H155
Adapters/Junctions	H158

Features

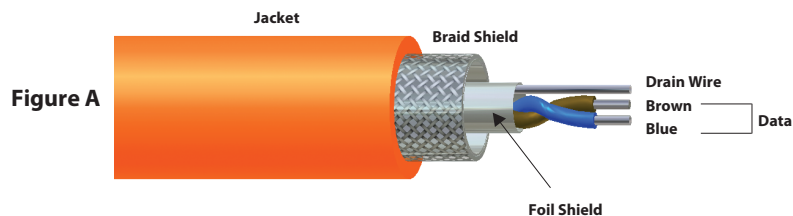
- Cable that meets the requirements of ISA/SP 50 and PROFIBUS-PA requirements for Type A Cable
- All cables are rated -40° to +105° and are sunlight resistant
- Available in 3-wire versions with a device ground or 2-wire versions
- PLTC and ITC listed (CSA FTA)
- Exposed Run (ER) and Direct Burial listed
- IP67 Rated

NETWORK WIRING

Notes:

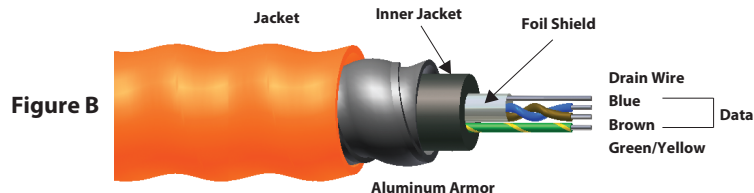
PROFIBUS®-PA, Cable Specifications

- Cable that Meets the Requirements of ISA/SP50 and PROFIBUS-PA Requirements for Type A Cable
- All Cables are Rated -40° to +105°C and are Sunlight Resistant
- Available in 3-wire Versions with a Device Ground or 2-wire Versions



Type A Cable Specifications

- Temperature range: -40 to +105°C
- UV Resistant
- PLTC and ITC Listed (CSA FT4)
- Exposed Run (ER) and Direct Buried (DB) Listed
- Maximum Attenuation at 1.25 f_r (39 kHz) = 3.0 dB/km
- Characteristic Impedance 100 Ω ± 10 Ω @ 31.25 KHz
- Capacitance: 20 pF/Ft nominal
- Inductance: 0.22 μH/Ft. nominal
- Conductor Cross-sectional area (wire size) = nominal 0.75 mm² (#18 AWG) or 1.5 mm² (#16 AWG)
- Shield Coverage =100 %



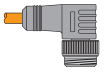
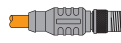
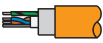
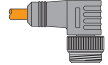
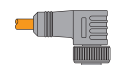
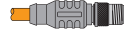
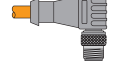
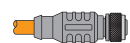
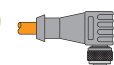
Type	Approvals	Data Pair		Device Ground	Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	Material Color Nominal O.D.	Type Drain Wire		
483 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms XLPE	None	PVC Orange 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50785-*M 59 lbs.	A
483B 105°C 300 Volts	NEC ITC PLTC Open Wiring, Direct Burial CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	7.06 Ohms XLPE	None	PVC Blue 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50786-*M 59 lbs.	A
482A 105°C 300 Volts	NEC/UL ITC PLTC Direct Burial	2/18 AWG BU/BN	7.06 Ohms PVC	18 AWG GN/YE	Armor/PVC Orange 15.6 mm (.614 in)	Foil 20 AWG	RB50929-*M 96 lbs.	B
482BA 105°C 300 Volts	NEC/UL ITC PLTC Direct Burial	2/18 AWG BU/BN	7.06 Ohms PE	18 AWG GN/YE	Armor/PVC Blue 15.6 mm (.614 in)	Foil 20 AWG	RB50803-*M 96 lbs.	B
483BK 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms PE	None	PVC Black 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50860-*M 59 lbs.	A

* Indicates length in meters.

Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters.

NETWORK WIRING

PROFIBUS® -PA, Cable and Cordset Selection Matrix

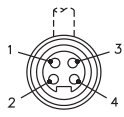
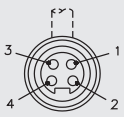
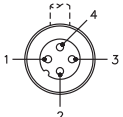
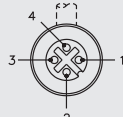
		minifast*				eurofast*
		Pin (Male)		Socket (Female)		Pin (Male)
		1 	3 	2 	4 	7 
		RSV	WSV	RKV	WKV	RSCV
minifast	 Bare	RSV 48x-*M	WSV 48x-*M	RKV 48x-*M	WKV 48x-*M	RSCV 48x-*M
	1  RSV	RSV RSV 48x-*M	RSV WSV 48x-*M	RSV RKV 48x-*M	RSV WKV 48x-*M	RSV RSCV 48x-*M
	3  WSV		WSV WSV 48x-*M	WSV RKV 48x-*M	WSV WKV 48x-*M	WSV RSCV 48x-*M
	2  RKV			RKV RKV 48x-*M	RKV WKV 48x-*M	RKV RSCV 48x-*M
	4  WKV				WKV WKV 48x-*M	WKV RSCV 48x-*M
	7  RSCV					RSCV RSCV 48x-*M
eurofast	9  WSCV					
	8  RKCV					
	10  WKCV					

See pages H145 - H146 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

minifast		Pinouts	eurofast	
Male	Female		Male	Female
		1. Brown (+ Voltage) 2. N/C 3. Blue (- Voltage) 4. Bare (Shield Drain Wire)		

DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-PA, Cable and Cordset Selection Matrix



eurofast®			minifast® Bulkhead		eurofast Bulkhead	
Pin (Male)	Socket (Female)		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
9 WSCV	8 RKCv	10 WKCv	5 RSFPV	6 RKFPV	11 FSFDV	12 FKFDV
WSCV 48x-*M	RKCv 48x-*M	WKCv 48x-*M	RSFPV 48x-*M	RKFPV 48x-*M	FSFDV 48x-*M	FKFDV 48x-*M
RSV WSCV 48x-*M	RSV RKCv 48x-*M	RSV WKCv 48x-*M	RSV RSFPV 48x-*M	RSV RKFPV 48x-*M	RSV FSFDV 48x-*M	RSV FKFDV 48x-*M
WSV WSCV 48x-*M	WSV RKCv 48x-*M	WSV WKCv 48x-*M	WSV RSFPV 48x-*M	WSV RKFPV 48x-*M	WSV FSFDV 48x-*M	WSV FKFDV 48x-*M
RKV WSCV 48x-*M	RKV RKCv 48x-*M	RKV WKCv 48x-*M	RKV RSFPV 48x-*M	RKV RKFPV 48x-*M	RKV FSFDV 48x-*M	RKV FKFDV 48x-*M
WKV WSCV 48x-*M	WKV RKCv 48x-*M	WKV WKCv 48x-*M	WKV RSFPV 48x-*M	WKV RKFPV 48x-*M	WKV FSFDV 48x-*M	WKV FKFDV 48x-*M
RSCV WSCV 48x-*M	RSCV RKCv 48x-*M	RSCV WKCv 48x-*M	RSCV RSFPV 48x-*M	RSCV RKFPV 48x-*M	RSCV FSFDV 48x-*M	RSCV FKFDV 48x-*M
WSCV WSCV 48x-*M	WSCV RKCv 48x-*M	WSCV WKCv 48x-*M	WSCV RSFPV 48x-*M	WSCV RKFPV 48x-*M	WSCV FSFDV 48x-*M	WSCV FKFDV 48x-*M
	RKCv RKCv 48x-*M	RKCv WKCv 48x-*M	RKCv RSFPV 48x-*M	RKCv RKFPV 48x-*M	RKCv FSFDV 48x-*M	RKCv FKFDV 48x-*M
		WKCv WKCv 48x-*M	WKCv RSFPV 48x-*M	WKCv RKFPV 48x-*M	WKCv FSFDV 48x-*M	WKCv FKFDV 48x-*M

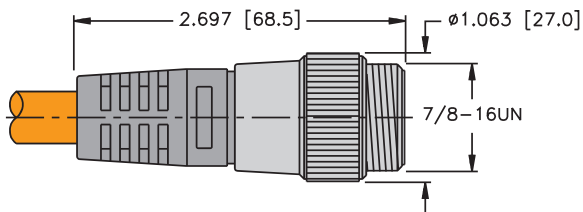
NETWORK WIRING

PROFIBUS®-PA, minifast® Cordset and Receptacle Connector Dimensions

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	300 V
Rated Current:	9 A
Ambient Temperature:	-40°C to +105°C (-40° to +221°F)

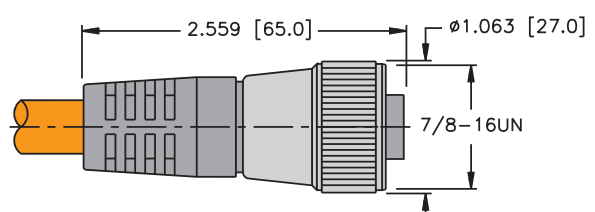
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RSV ..

Pages H143

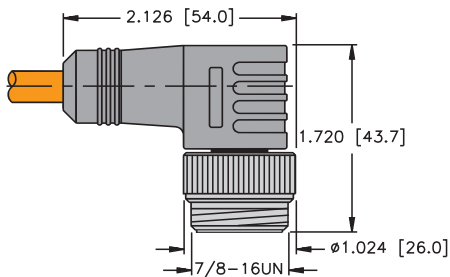
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RKV ..

Pages H143

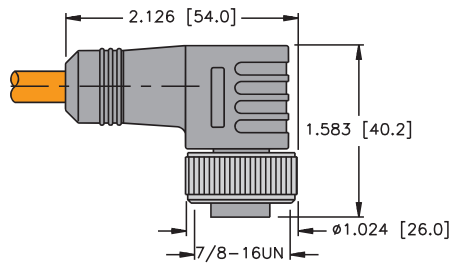
3



WSV ..

Pages H143

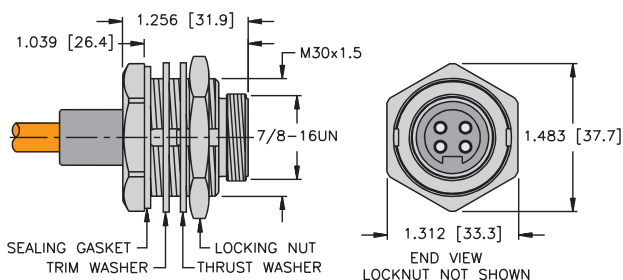
4



WKV ..

Pages H143

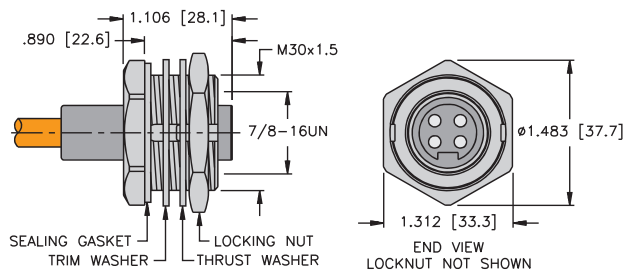
5



RSFPV ..

Pages H144

6



RKFPV ..

Pages H144

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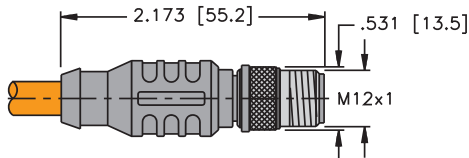
PROFIBUS®-PA, eurofast® Cordset and Receptacle Connector Dimensions



Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +105°C (-40° to +221°F)

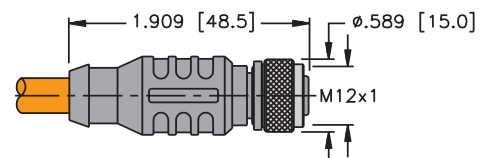
7



RSCV ..

Pages H143

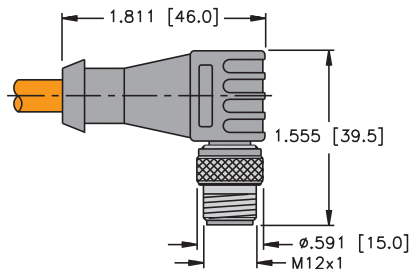
8



RKCVC ..

Pages H143

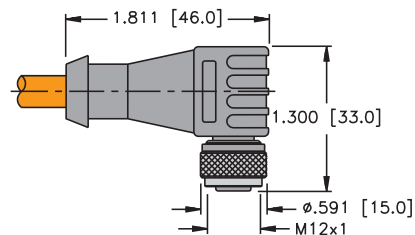
9



WSCV ..

Pages H143

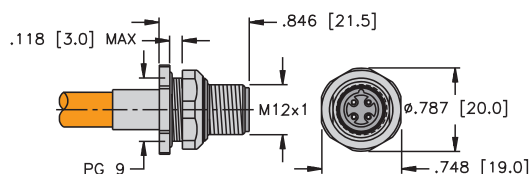
10



WKCV ..

Pages H143

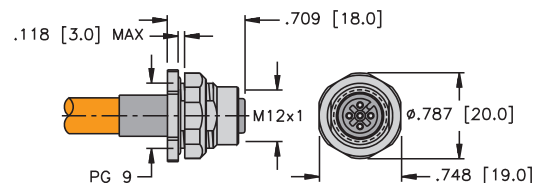
11



FSFDV ..

Pages H144

12



FKFDV ..

Pages H144

PROFIBUS®-PA Connectivity

NETWORK WIRING

PROFIBUS®-PA, (7/8-16UN) *minifast*® Male Receptacles

- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
RKFV 48-*M/14.5 	RKFV 48-*M/14.5	RSFV 48-*M/14.5	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C 1/2-14NPT full length threads	Female
RSFV 48-*M/14.5 				
RKFV 48-*M/14.75 	RKFV 48-*M/14.75	RSFV 48-*M/14.75	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C 3/4-14NPT full length threads	1. BN 2. N/C 3. BU 4. GY Male
RSFV 48-*M/14.75 				
RKFV 48-*M/M20 	RKFV 48-*M/M20	RSFV 48-*M/M20	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C M20x1.5 threads	
RSFV 48-*M/M20 				

Standard cable length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass. "RKFV .."; indicates 316 stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.

DISTRIBUTED I/O SALES GUIDE

PROFIBUS®-PA, (7/8-16UN) minifast® Female Receptacles



- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
RKFV 48-*M	RKFV 48-*M	RSFV 48-*M	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C 1/2-14NPSM threads	Female
RSFV 48-*M				Male

Standard cable length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass. "RKFV ."; indicates 316 stainless steel housing.
For locknuts to be included, add "W/LN" to the end of the part number.

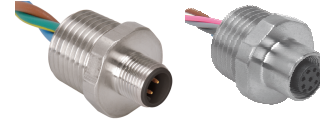
Options:

/C1117 = 4 wires (BN,GN/YE, BU, GY)

NETWORK WIRING

PROFIBUS®-PA, (M12x1) eurofast® Male Receptacles

- Mounted for Quick Connection to Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
FKV 48-*M/14.5 	FKV 48-*M/14.5	FSV 48-*M/14.5	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C 1/2-14NPT full length threads	Female
FSV 48-*M/14.5 				
FKV 48-*M/14.75 	FKV 48-*M/14.75	FSV 48-*M/14.75	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C 3/4-14NPT full length threads	1. BN 2. N/C 3. BU 4. GY
FSV 48-*M/14.75 				
FKV 48-*M 	FKV 48-*M/M20	FSV 48-*M/M20	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C M20x1.5 threads	Male
FKV 48-*M 				

Standard cable length is 0.5 Meters. Consult factory for other lengths.

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

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PROFIBUS®-PA, (M12x1) eurofast® Female Receptacles



- Mounted for Quick Connection to Enclosures
- Available for 1/2-14 NPT, 1/2-14 NPSM, 3/4-14 NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
FKV 48-*M FSV 48-*M	FKV 48-*M	FSV 48-*M	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C PG 9 threads	Female Male

Standard cable length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass. "RK FV .."; indicates 316 stainless steel housing.

Options:

/C1117 = 4 wires (BN,GN/YE, BU, GY)

NETWORK WIRING

PROFIBUS®-PA, Terminating Resistors

- Terminating Resistors Stabilize and Minimize Reflections on the Bus Line
- A Terminating Resistor is Required at the Beginning and End of the Main Bus Line



Housing	Part Number	Features	Pinouts
	RSV 48-TR	Nickel plated brass or stainless steel, 300 V, 9 A -40° to +75°C, male <i>minifast</i> connector	Male
	RSEV 48-TR	Nickel plated brass or stainless steel, 250 V, 4 A -40° to +75°C, male <i>eurofast</i> connector	Male

PROFIBUS®-PA, Feed Through Connectors

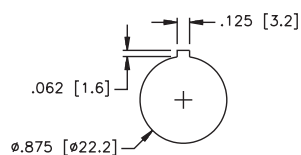
- Receptacles Provide Transition from Male to Female Connectors
- Available for Bulkhead and Feed Through Applications



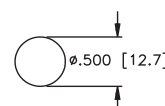
Housing	Part Number	Features	Pinouts
	RSFV RKFV 48/22	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +75°C, straight male/female feed through, for use with DeviceNet <i>minifast</i> cordsets	Male Female
	FKV FSV 48/M12	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +75°C, straight male/female connector, for pre-molded <i>eurofast</i> cables	Male Female

Standard housing material is nickel plated brass. "RSF RKF.."; "RSFV RKFV.." indicates stainless steel housing.

Panel Cutout
RSFV RKFV 48/22



Panel Cutout
FKV FSV 48/M12



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PROFIBUS®-PA, Tees

- Creates a Drop or Branch from the Main Bus Line
- *minifast*® Connectors on Bus or Drop Lines



Housing	Part Number	Features	Wiring Diagrams
	RSV 2RKV 48	TPU, 250 V, 4 A, -40° to +75°C, data, ground, shield, stainless steel, coupling nuts	
	RSV FKV RKV 48	TPU, 250 V, 4 A, -40° to +75°C, <i>minifast</i> to <i>eurofast</i> ® drop, data, ground, shield, stainless steel coupling nuts	
	RSCV 2RKCV 48	TPU, 250 V, 4 A, -40° to +75°C, <i>eurofast</i> tee, stainless steel, coupling nuts	
	RSCV RKCV 48	TPU, 250 V, 4 A, -40° to +105°C, stainless steel coupling nuts	

Pinouts

<i>minifast</i>		<i>eurofast</i>	
Male	Female	Male	Female

NETWORK WIRING

PROFIBUS®-PA, Gender Changers and Elbow Connectors

- Allows Quick and Easy Changes from Male to Female *minifast*® and *minifast*® to *eurofast*® Connectors



Housing	Part Number	Features	Wiring
	RSV RSV 48	TPU, 250 V, 4 A, -40° to +75°C, changes female cordset to male receptacle	N/A
	RKV RKV 48	TPU, 250 V, 4 A, -40° to +75°C, changes female cordset to male receptacle	
	WSV RKV 48	TPU, 250 V, 4 A, -40° to +75°C, right angle male to female connector	
	RSM 48-FK 4.4	Nickel plated brass CuZn or Stainless Steel, 250 V, 4 A, -40° to +80°C, female <i>eurofast</i> , male <i>minifast</i> , 4-pin	

Pinouts

<i>minifast</i>		<i>eurofast</i>
Male	Female	Female

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PROFIBUS®-PA, Surge Suppressor

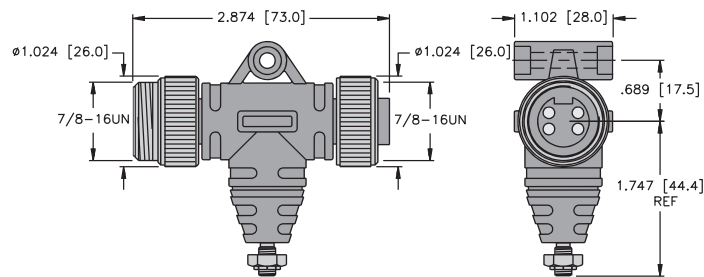


- Protects Data Communication Lines (V+ and V-)
- Absorbs the Front End of the Transient, Responding in Less Than a Nanosecond
- Diverts the Surge Energy to Ground
- Automatically Resets and waits for Next Surge



Housing	Part Number	Specs	Application	Pinouts
See Drawing 1	RSV RKV 48 SS	Electrical Contact Carrier Material Thermoplastic Polyurethane Mold Material/Color Thermoplastic Polyurethane/Black Contact Material/Plating Gold-Plated Brass Coupling Nut Material Stainless Steel Max. Operating Voltage 36 VDC Max. Operating Current 600 mA Max. Clamping Voltage 58 V Surge Current (8/20µs ≤5 shots). 20kA Temperature Rating -40° to +85°C Protection Class (VDE 0110 b) Meets NEMA 1,3,4,6,13 Insulation Resistance. ≥40 MΩ Capacitance Between V+, V- at 24 V 0.4nF Mechanical • Ground Stud: 10-32 stainless steel • Operating temperature: -40° to +85°C	Male and female <i>minifast</i> ®, 4-pin	Male  Female 

1



PROFIBUS®-PA Connectivity

NETWORK WIRING

PROFIBUS®-PA, minifast® Field Wireable Connectors

- Screw Terminals Accept up to 16 AWG Conductors



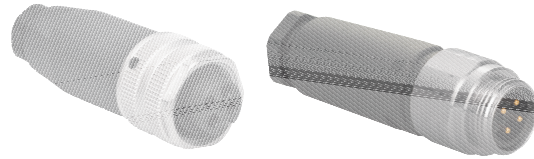
Housing Style	Female Part Number	Male Part Number	Features	Pinout
B 414..	B 4140-0/9	BS 4140-0/9	Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter, 85°C, 250 V, 9 A, mates with all 4-pin minifast cordsets and receptacles	Female
BS 414..	B 4141-0/13.5	BS 4141-0/13.5	Glass filled nylon, PG 13.5 cable gland accepts 10-12 mm cable diameter, 85°C, 250 V, 9 A, mates with all 4-pin minifast cordsets and receptacles	Male

For stainless steel coupling nuts change part number BS ... to BSV ... BK ... To BV

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PROFIBUS®-PA, *minifast*® Field Wireable Connectors

- Screw Terminals Accept up to 16 AWG Conductors



Housing Style	Female Part Number	Male Part Number	Features	Pinout
BK 414.. BS 414..	BK 4140-0/9	BS 4140-0/9	Plastic, TPU (cable grip: Plastic, PU), Anodized Aluminum, PG 0/9 cable gland accepts 6-8 mm cable diameter, -40°C to +90°C (-40°F to +194°F), 250 V, 9 A, mates with all 4-pin <i>minifast</i> cordsets and receptacles	Female
BSV 414.. BKV 414..	BKV 4140-0/9	BSV 4140-0/9	Glass filled nylon, stainless steel coupling nut, PG 0/9 cable gland accepts 6-8 mm cable diameter, -40°C to +90°C (-40°F to +194°F), 300 V, 9 A, mates with all 4-pin <i>minifast</i> cordsets and receptacles	Male
BKV 414.. BSV 414..	BKV 4140-0/16	BSV 4140-0/16	Glass filled nylon, stainless steel coupling nut, PG 16 cable gland accepts 10-12 mm cable diameter, -40°C to +90°C (-40°F to +194°F), 600 V, 9 A, mates with all 4-pin <i>minifast</i> cordsets and receptacles	

NETWORK WIRING

PROFIBUS®-PA, eurofast® Field Wireable Connectors

- Screw Terminals Accept up to 18 AWG Conductors



Housing	Female Part Number	Male Part Number	Features	Pinouts
B 814.. BS 814..	B 8141-0/PG9	BS 8141-0/PG9	PBT, Black, PG 9 cable gland, accepts 4-8 mm cable diameter, 85°C, 125 V, 4 A, mates with standard key 4-pin eurofast cordsets and receptacles	Female
B 824.. BS 824..	B 8241-0/PG9	BS 8241-0/PG9	PBT, Black, PG 9 cable gland, accepts 4-8 mm cable diameter, 85°C, 125 V, 4 A, mates with standard key 4-pin eurofast cordsets and receptacles	Male

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PROFIBUS®-PA, Conduit Adapters

- Converts Standard Conduits to Quick Disconnect
- Fiberglass Reinforced Nylon Housings
- Nickel Plated Brass Connectors Available
- 3/4" Form 8 or Mark 9
- 1" Form 7 Available Upon Request
- Gasket and Mounting Screws Provided
- IP67



Housing Style	1 Port Part Number	2 Port Part Number	Specifications	Pinouts
	BCA-48-E123	BCA-48-E223	M12x1 Stainless Steel Connectors, switchable termination, -40°C to +70°C (-40°F to +158°F)	
	BCA-48-M123	BCA-48-M223	7/8"-16UN Stainless Steel Connectors, switchable termination, -40°C to +70°C (-40°F to +158°F)	
	BCA-48SC-M123	BCA-48SC-M223	7/8"-16UN Stainless Steel Connectors, short circuit protection, switchable termination, -30°C to +80°C (-22°F to +176°F)	

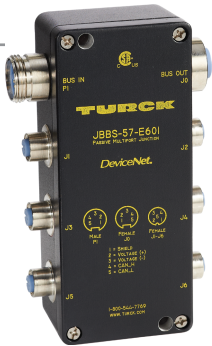
PROFIBUS Media

NETWORK WIRING

PROFIBUS®-PA, On-Machine Passive Junction Boxes

- Multiple Port Configurations Available
- Cast aluminum Housing*
- 7/8" x 1 Bus In/Bus Out Connectors*
- Nickel Plated Brass Connectors Available
- CSA General Purpose
- -40°C to +75°C (-40°F to +167°F)
- IP67, IP68 and IP69k

*(Unless otherwise specified)



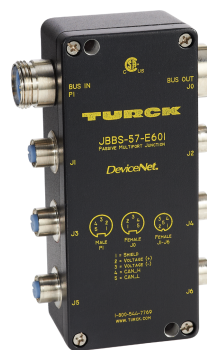
Housing Style	Part Number	Specifications	Pinouts
	JBBS-48-E613	M12x1 Bus-in/Bus-out plus 6 drops	
	JBBS-48-E813	M12x1 Bus-in/Bus-out plus 8 drops	
	JBBS-48-M613	7/8"-16UN Bus-in/Bus-out plus 6 drops	
	JBBS-48-M813	7/8"-16UN Bus-in/Bus-out plus 8 drops	
	JBBS-48SC-E413	M12x1 Bus-in/Bus-out plus 4 drops, short circuit protection	
	JBBS-48SC-E613	M12x1 Bus-in/Bus-out plus 6 drops, short circuit protection	
	JBBS-48SC-E813	M12x1 Bus-in/Bus-out plus 8 drops, short circuit protection	
	JBBS-48SC-M413	7/8"-16UN Bus-in/Bus-out plus 4 drops, short circuit protection	
	JBBS-48SC-M613	7/8"-16UN Bus-in/Bus-out plus 6 drops, short circuit protection	
	JBBS-48SC-M813	7/8"-16UN Bus-in/Bus-out plus 8 drops, short circuit protection	

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PROFIBUS®-PA, On-Machine Passive Junction Boxes

- Multiple Port Configurations Available
- Cast aluminum Housing*
- 7/8" x 1 Bus In/Bus Out Connectors*
- Nickel Plated Brass Connectors Available
- CSA General Purpose
- -40°C to +75°C (-40°F to +167°F)
- IP67

*(Unless otherwise specified)



TURCK
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Industrial
Automation

Housing Style	Part Number	Specifications	Pinouts
	JBBS-48SC-M853	7/8"-16UN Bus-in/Bus-out plus 8 drops, cast stainless steel housing, short circuit protection, CE	
	JBBS-48SC-M653	7/8"-16UN Bus-in/Bus-out plus 6 drops, cast stainless steel housing, short circuit protection, CE	
	JBBS-48-E413	M12x1 Bus-in/Bus-out plus 4 drops	
	JBBS-48-M413	7/8"-16UN Bus-in/Bus-out plus 4 drops	

PROFIBUS Media

NETWORK WIRING

PROFIBUS®-DP, Wall Plate Adapters

- Attaches to Standard Single Gang Electrical Box
- Stainless Steel with Stainless Steel Connectors
- Gasket and Mounting Screws Provided
- IP67



Housing Style	Part Number	Specifications	Pinouts
Technical drawing of the BPA-45-E113 wall plate adapter. The front view shows a square plate with a central circular opening. Dimensions include a total width of 4.689 [119.1] REF, a central opening diameter of 3.281 [83.3], and a mounting hole diameter of 2.951 [75.0]. The side view shows a thickness of .625 [15.9] REF.	BPA-45-E113	PROFIBUS-DP, M12x1 Connector, -40°C to +70°C (-40°F to +158°F)	Pinout diagram for the M12x1 connector. It shows a circular connector with 5 pins. The pins are numbered 1 through 5. Pin 1 is at the top right, pin 2 is at the bottom, pin 3 is at the top left, pin 4 is at the bottom left, and pin 5 is at the top center.

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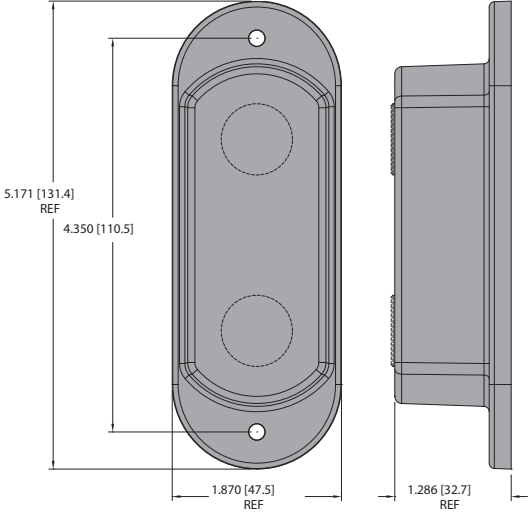
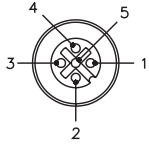


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PROFIBUS®-DP/PA, Conduit Adapters

- Converts Standard Conduits to Quick Disconnect
- Fiberglass Reinforced Nylon Housings
- Nickel Plated Brass Connectors Available
- 3/4" Form 8 or Mark 9
- 1" Form 7 Available Upon Request
- Gasket and Mounting Screws Provided
- IP67



Housing Style	1 Port Part Number	2 Port Part Number	Specifications	Pinouts
	BCA-45-E123	BCA-45-E223	PROFIBUS-DP, M12x1 stainless steel connectors, -30°C to +80°C (-22°F to +176°F)	



PROFIBUS Media

NETWORK WIRING

Notes: