

Part Number Keys	J3
Cordset and Receptacle Specifications	J4
Cordset and Receptacle Selection Matrix	J4
Cordset and Receptacle Dimensions	J5
Cordset and Receptacle Pinouts	J5
Closure Caps	J6
Powerlok and Disconnect Switch Accessories	J7

Features

- Ideal for small motor applications
- 3 and 4-pin
- 14 AWG conductors
- Up to 15 Amp, 600 Volt rated
- Dual rated TC-ER and STOOW PVC cable
- "/S4000" TC-ER only PVC cable option available
- NEMA 1, 3, 4, 6P protection
- IEC IP67 protection



Installation Guidelines

Turck's Powerfast products are easy to install by following a few simple guidelines:

- It is important to know the electrical requirements of the application and to select a cordset that has the proper amperage and voltage ratings for the application.
- Cables must be supported to prevent movement on the equipment. Per NFPA 79, the cable must be supported every 12 inches in a non-vertical run, every 36 inches in a vertical run and every 18 inches when suspended in air. The cable should also be supported at any connection points or terminations.
- The cordsets are not intended for disconnection under load. Turck offers Powerlok fittings that prevent the possibility of disconnection. These fittings are not required for use, but can be used as a precautionary measure.
- Power should never be supplied from the male connector. The source of power should always be supplied from the female connector.
- Use Turck closure caps to protect connectors from damage or dirt when not connected.

Note: Consult NFPA 79 (Electrical Standard for Industrial Machinery) for required over current protection of conductors and other selection and installation guidelines for industrial machine applications.

Cable Options

Turck offers multiple cable options for the Powerfast products. The majority of Turck's Powerfast products use cables that carry a tray rated, exposed run (TC-ER) approval. Select Turck Powerfast products may carry an additional STOOW cable approval, although versions that carry the STOOW and TC-ER approval are also available as TC-ER only.

Both the STOOW/TC-ER cable and the TC-ER only cable version are premium cable offerings. However, the TC-ER only version has a slightly reduced cable outer diameter. This feature offers more flexibility and is a more cost effective solution. This cable option can be designated by adding a "/S4000" to the end of the part description where applicable.

Estimated hp ratings for D-Size Powerfast

(Based on 85% motor efficiency and 90% power factor.)

Single Phase (2 Current Carrying Conductors)				
Pin Count	AWG	Current (amps)	Voltage (volts)	Power (hp)
3-pin	10 AWG	30	230	7
			460	14
			575	17
	12 AWG	25	230	5
			460	11
			575	14
	14 AWG	18	230	4
			460	8
			575	10

Three Phase (3 Current Carrying Conductors)				
Pin Count	AWG	Current (amps)	Voltage (volts)	Power (hp)
4-pin	10 AWG	25	230	10
			460	20
			575	25
	12 AWG	20	230	8
			460	16
			575	20
	14 AWG	15	230	6
			460	12
			575	15

Note: These tables are theoretical values and are for reference only. Values will vary based on load conditions, as well as condition, age and type of motor. Please consult a qualified electrician for specific product sizing requirements. Current limits for conductor gauge size taken from NFPA 79 2007 edition.

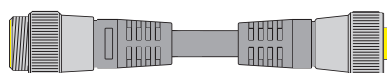
We reserve the right to make technical alterations without prior notice.

2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

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

M23 Multifast® Receptacle	R K M	34 - *M / S..	Varieties (blank) = TC-ER ST00W PVC cable jacket /S4000 = TC-ER PVC cable jacket /S .. = consult factory, special /CS .. = consult factory, special Length in Meters
Gender K = female connector, female threads S = male connector, male threads Y = male connector, female threads Coupling Nut Material (blank) = nylon M = nickel plated brass V = 316 stainless steel (hex)		Number of Wires / AWG / Color Codes 34 = 3x14 AWG GN, BK, WH 44 = 4x14 AWG BK, WH, RD, GN	
Insertion Point of Extension Cable Second Prefix* * Male connector listed first, female connector second Example: RSM RKM 44-2M			

Extension Examples



R **S** **M** **R** **K** **M** **44** - ***M**

A-Size 7/8" Powerfast Receptacle Part Number Key

A-Size 7/8" Powerfast Receptacle	R K F V	34 - *M / NPT / S..	Varieties /S .. = consult factory, special /CS .. = consult factory, special Connection Thread /NPT = 1/2-14 NPT threads /M20 = M20 x 1.5 threads Length in Meters
Gender K = female connector, female threads S = male connector, male threads X = female connector, male threads A-Size 7/8" Powerfast Receptacle Housing Material (blank) = nickel plated brass K = nylon V = 316 stainless steel		Number of Wires / AWG / Color Codes 34 = 3x14 AWG GN, BK, WH 44 = 4x14 AWG BK, WH, RD, GN	

A-Size 7/8" Powerfast Cordset Specifications

Mechanical

Mold material/color:	PVC/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/color:	
Standard:	TC-ER STOOW TPE/Black
Additional options:	TC-ER TPE or TC-ER PVC/Black (/S4000 version)
Ratings:	15 Amps, 600 VAC



A-Size 7/8" Powerfast Receptacle Part Number Key

Mechanical

Contact carrier material:	PVC
Housing material/plating:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67
Temperature rating:	-40 °C to +105 °C (-40 °F to +221 °F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/color:	PVC
Ratings:	15 Amps, 600 VAC



A-Size 7/8" Powerfast Cordset Selection Matrix

			1	2	3	4
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	14	15	RKM 34-*M	RSM 34-*M		
4	14	15	RKM 44-*M	RSM 44-*M		

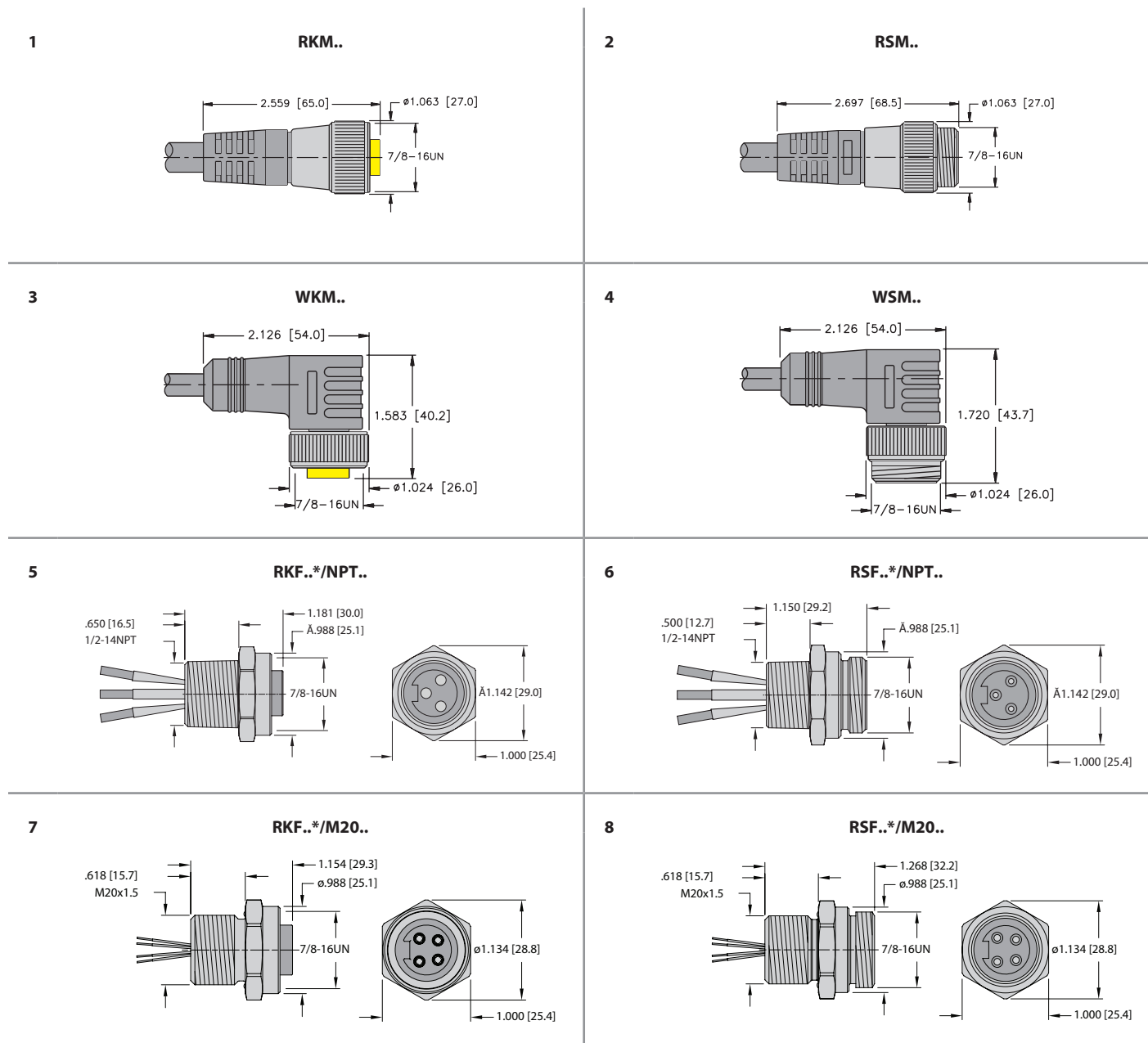
Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	14	15	RKM 34-*M/S4000	RSM 34-*M/S4000	WKM 34-*M/S4000	WSM 34-*M/S4000
4	14	15	RKM 44-*M/S4000	RSM 44-*M/S4000	WKM 44-*M/S4000	WSM 44-*M/S4000

A-Size 7/8" Powerfast Receptacle Selection Matrix

			5	6	7	8
			Female	Male	Female	Male
Pins	AWG	Current Rating	1/2-14 NPT Mounting Thread	1/2-14 NPT Mounting Thread	M20 Mounting Thread	M20 Mounting Thread
3	14	15	RKF 34-*M/NPT	RSF 34-*M/NPT	RSF 34-*M/M20	RKF 34-*M/M20
4	14	15	RKF 44-*M/NPT	RSF 44-*M/NPT	RSF 44-*M/M20	RKF 44-*M/M20

We reserve the right to make technical alterations without prior notice.

A-Size 7/8" Powerfast Cordset and Receptacle Dimensions



A-Size 7/8" powerfast

A-Size 7/8" Powerfast Cordset and Receptacle Pinouts

3-Pin		Pinouts	4-Pin		Pinouts
Female	Male		Female	Male	
		1. GN 2. BK 3. WH			1. BK 2. WH 3. RD 4. GN

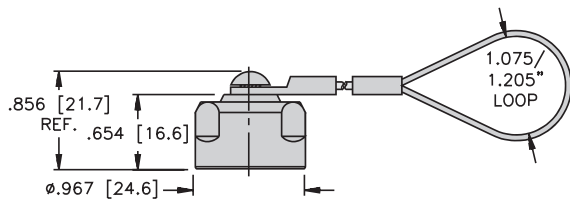
A-Size 7/8" Powerfast Closure Cap Selection Matrix

		9	10	11	12	13	14
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" SS Loop Lanyard	6" SS Loop Lanyard	6" SS Lanyard with Eyelet	6" SS Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	7/8-16 UN	RKM-CC	RSM-CC	RKF-CC	RSF-CC	RKF-MC	RSF-MC
Stainless Steel	7/8-16 UN	RKMV-CC	RSMV-CC	RKFV-CC	RSFV-CC	RKFV-MC	RSFV-MC

A-Size 7/8" Powerfast Closure Cap Dimensions

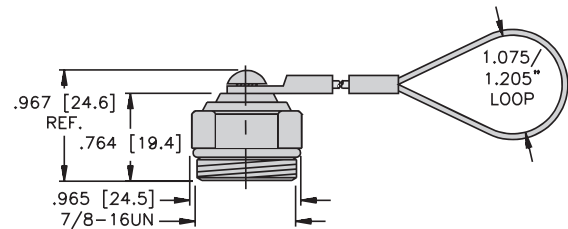
9

RKM-CC



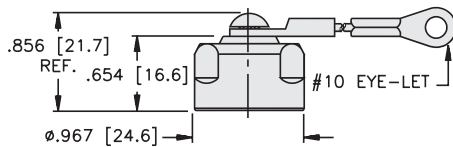
10

RSM-CC



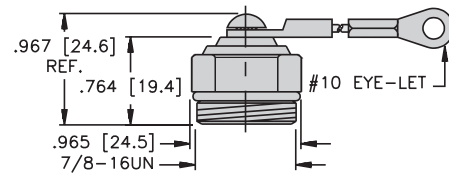
11

RKF-CC



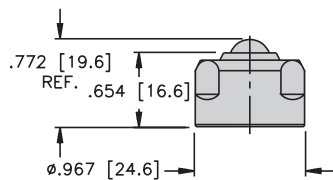
12

RSF-CC



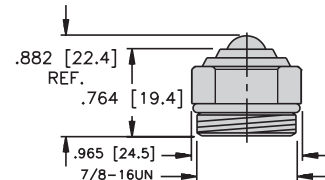
13

RKF-MC



14

RSF-MC



A-Size 7/8" Powerlok

Part Number	Application
LOCK-A POWER	Nylon locking guard for straight A-Size Powerfast connectors

A-Size Powerlok Open



A-Size Powerlok Closed



A-Size Powerfast Disconnect Switch Selection Matrix

Pins	AWG	Current Rating	Standard	M12 Auxiliary Output
3	14	15 Amps	RSF RKF 34/DS	RSF RKF 34/DS/AUX
4	14	15 Amps	RSF RKF 44/DS	RSF RKF 44/DS/AUX

We reserve the right to make technical alterations without prior notice.

A-Size 7/8" powerfast



Part Number Keys	J10
Cordset, Receptacle and Field Wireable Specifications	J12
Cordset, Receptacle and Field Wireable Selection Matrix	J13
Cordset, Receptacle and Field Wireable Dimensions	J15
Cordset, Receptacle and Field Wireable Pinouts	J16
Tee Specifications	J16
Tee Selection Matrix	J17
Tee Dimensions	J20
Power Reducer Specifications	J23
Power Reducer Selection Matrix	J23
Power Reducer Dimensions	J23
Tee and Power Reducer Wiring Diagrams	J24
Tee and Power Reducer Pinouts	J25
Closure Caps	J26
Powerlok Accessories	J26

Features

- Ideal for small motor applications
- 3 and 4-pin
- 14 AWG conductors
- Up to 31 Amp, 600 Volt rated
- Dual rated TC-ER and STOOW PVC cable
- "/S4000" TC-ER only PVC cable option available
- NEMA 1, 3, 4, 6P protection
- IEC IP67 protection

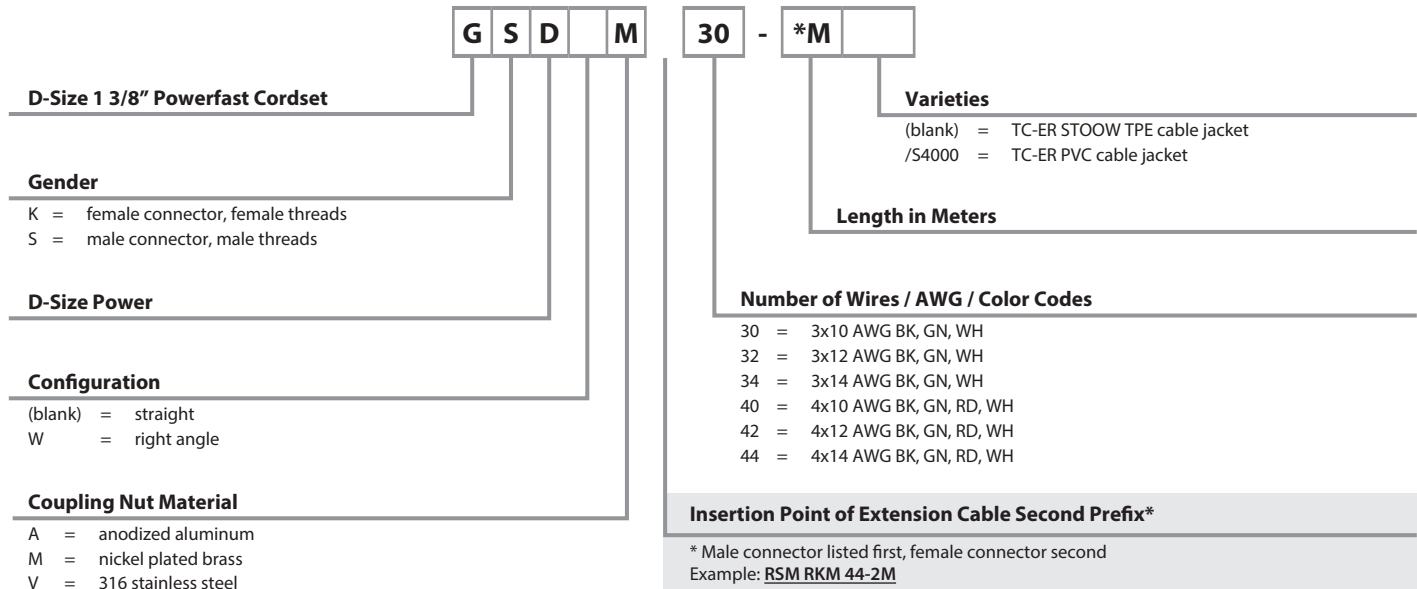


D-Size 1 3/8" powerfast Connectivity

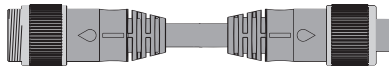


D-Size 1 3/8" Powerfast Cordset Part Number Key

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



Extension Examples

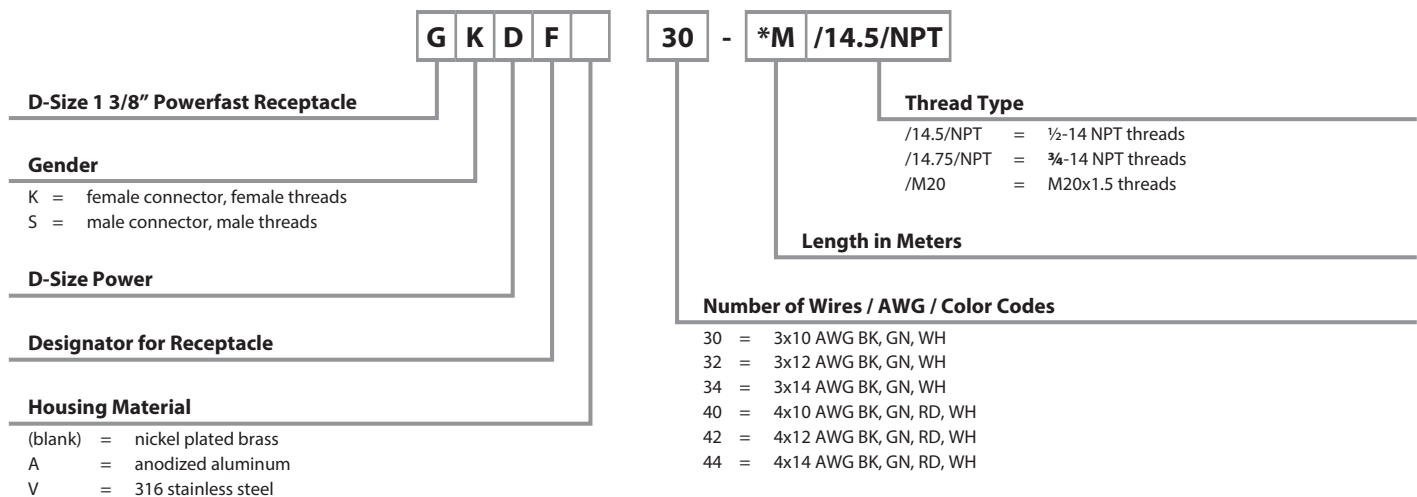


G S D M

G K D M

30 - *M

D-Size 1 3/8" Powerfast Receptacle Part Number Key



2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

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

D-Size (1 3/8") Powerfast Tees

Trunk(1) Identifier

Coupling Nut Material

D-Size (1 3/8") Powerfast Tees

Trunk(2) and Drop(3) Identifiers

G S D M / 2GKDM

30 - * - /S..

Varieties

/S = consult factory, special

/CS = consult factory, special

/S4000 = designates TC-ER cable

Length in Meters

Number of Wires / AWG / Color Codes

30 = 3x10 AWG BK, GN, WH

32 = 3x12 AWG BK, GN, WH

34 = 3x14 AWG BK, GN, WH

40 = 4x10 AWG BK, GN, RD, WH

42 = 4x12 AWG BK, GN, RD, WH

44 = 4x14 AWG BK, GN, RD, WH

2GKDM = female trunk(2) and female drop(3)

GSDM/GKDM = male trunk(2) and female drop(3)

GKDM/T = female trunk (2) and cable drop(3)

GKDM/RKM = female trunk(2) and female A-Size Power drop(3)

GKDM/BKM = female trunk(2) and female M16 Power drop(3)

Note: Only one male connector per tee available.
Standard female coupling nut material for A-Size Power drop and M16 Power drop is nickel plated brass.

Tee Examples

G S D M / 2 G K D M 30

G S D M / G K D M / R K M 44 - *

D-Size 1 3/8" powerfast

www.turck.com • 1-800-544-7769 • Fax: (763) 553-0708 • Turck • Minneapolis, MN 55441
Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Table of Content

B2007 J11

D-Size 1 3/8" powerfast Connectivity



D-Size 1 3/8" Powerfast Cordset Specifications

Mechanical

Mold material/color:	PVC/Black
Housing material/plating:	PVC
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/color:	
Standard:	TC-ER ST00W TPE/Black
Additional options:	TC-ER PVC/Black (/S4000 version)
Ratings:	19-31 Amps, 600 VAC



D-Size 1 3/8" Powerfast Receptacle Specifications

Mechanical

Contact carrier material:	PVC
Housing material/plating:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 °C to +105 °C (-40 °F to +221 °F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	19-31 Amps, 600 VAC



D-Size 1 3/8" Powerfast Field Wireable Specifications

Mechanical

Housing material/color:	Nylon/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 6P and IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Ratings:	Up to 31 Amps, 600 VAC

We reserve the right to make technical alterations without prior notice.

D-Size 1 3/8" Powerfast Cordset Selection Matrix

			1	2	3	4
						
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER ST00W	TC-ER ST00W	TC-ER ST00W	TC-ER ST00W
3	10	31 Amps	GKDM 30-*M	GSDM 30-*M	GKDWM 30-*M	GSDWM 30-*M
	12	26 Amps	GKDM 32-*M	GSDM 32-*M	GKDWM 32-*M	GSDWM 32-*M
	14	23 Amps	GKDM 34-*M	GSDM 34-*M	GKDWM 34-*M	GSDWM 34-*M
4	10	28 Amps	GKDM 40-*M	GSDM 40-*M	GKDWM 40-*M	GSDWM 40-*M
	12	22 Amps	GKDM 42-*M	GSDM 42-*M	GKDWM 42-*M	GSDWM 42-*M
	14	19 Amps	GKDM 44-*M	GSDM 44-*M	GKDWM 44-*M	GSDWM 44-*M

Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	31 Amps	GKDM 30-*M/S4000	GSDM 30-*M/S4000	GKDWM 30-*M/S4000	GSDWM 30-*M/S4000
	12	26 Amps	GKDM 32-*M/S4000	GSDM 32-*M/S4000	GKDWM 32-*M/S4000	GSDWM 32-*M/S4000
	14	23 Amps	GKDM 34-*M/S4000	GSDM 34-*M/S4000	GKDWM 34-*M/S4000	GSDWM 34-*M/S4000
4	10	28 Amps	GKDM 40-*M/S4000	GSDM 40-*M/S4000	GKDWM 40-*M/S4000	GSDWM 40-*M/S4000
	12	22 Amps	GKDM 42-*M/S4000	GSDM 42-*M/S4000	GKDWM 42-*M/S4000	GSDWM 42-*M/S4000
	14	19 Amps	GKDM 44-*M/S4000	GSDM 44-*M/S4000	GKDWM 44-*M/S4000	GSDWM 44-*M/S4000

See page 15 for dimensional drawings.

- * Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.
 Note: Extension cables are available, please consult Part Number Key (page 10).
 Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 10) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Connectivity

D-Size 1 3/8" Powerfast Receptacle Selection Matrix



Front Mount			5	6	7	8
						
Pins	AWG	Current Rating	Female 1/2-14 NPT Mounting Thread	Male 1/2-14 NPT Mounting Thread	Female 3/4-14 NPT Mounting Thread	Male 3/4-14 NPT Mounting Thread
3	10	31 Amps	GKDF 30-*M/14.5/NPT	GSDF 30-*M/14.5/NPT	GKDF 30-*M/14.75/NPT	GSDF 30-*M/14.75/NPT
	12	26 Amps	GKDF 32-*M/14.5/NPT	GSDF 32-*M/14.5/NPT	GKDF 32-*M/14.75/NPT	GSDF 32-*M/14.75/NPT
	14	23 Amps	GKDF 34-*M/14.5/NPT	GSDF 34-*M/14.5/NPT	GKDF 34-*M/14.75/NPT	GSDF 34-*M/14.75/NPT
4	10	28 Amps	GKDF 40-*M/14.5/NPT	GSDF 40-*M/14.5/NPT	GKDF 40-*M/14.75/NPT	GSDF 40-*M/14.75/NPT
	12	22 Amps	GKDF 42-*M/14.5/NPT	GSDF 42-*M/14.5/NPT	GKDF 42-*M/14.75/NPT	GSDF 42-*M/14.75/NPT
	14	19 Amps	GKDF 44-*M/14.5/NPT	GSDF 44-*M/14.5/NPT	GKDF 44-*M/14.75/NPT	GSDF 44-*M/14.75/NPT

Front Mount			9	10
				
Pins	AWG	Current Rating	Female M20 Mounting Thread	Male M20 Mounting Thread
3	10	31 Amps	GKDF 30-*M/M20	GSDF 30-*M/M20
	12	26 Amps	GKDF 32-*M/M20	GSDF 32-*M/M20
	14	23 Amps	GKDF 34-*M/M20	GSDF 34-*M/M20
4	10	28 Amps	GKDF 40-*M/M20	GSDF 40-*M/M20
	12	22 Amps	GKDF 42-*M/M20	GSDF 42-*M/M20
	14	19 Amps	GKDF 44-*M/M20	GSDF 44-*M/M20

See page 15-16 for dimensional drawings.

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

Note: Standard housing material is nickel plated brass. Consult Part Number Key (page 10) for anodized aluminum and 316 stainless steel options.

We reserve the right to make technical alterations without prior notice.

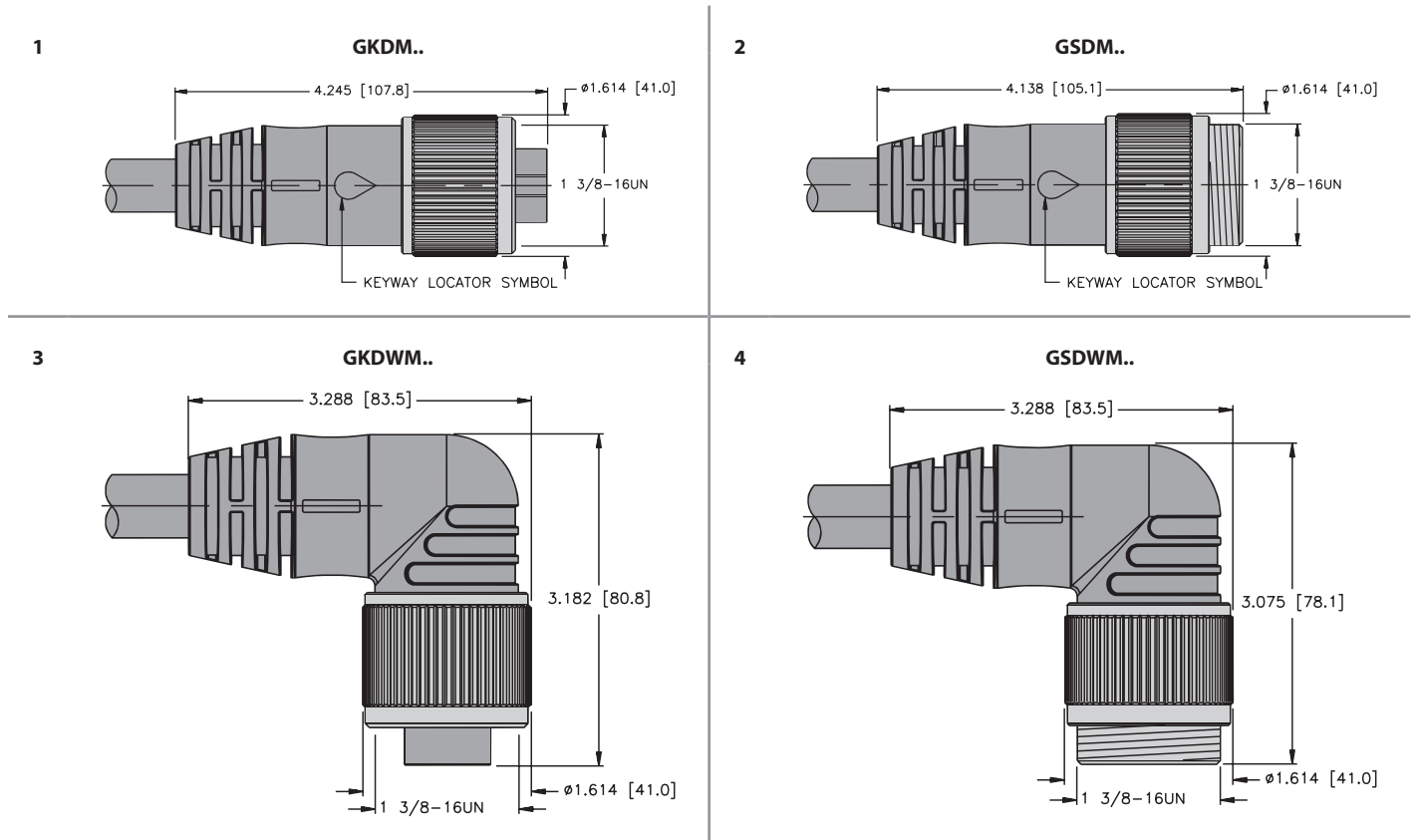
D-Size 1 3/8" Powerfast Field Wireable Selection Matrix

Front Mount			11	12
				
Pins	AWG	Current Rating	Female Screw Terminal	Male Screw Terminal
3	8-14	Up to 31 Amps	GKDM 30-0	GS DM 30-0
4	8-14	Up to 28 Amps	GKDM 40-0	GS DM 40-0

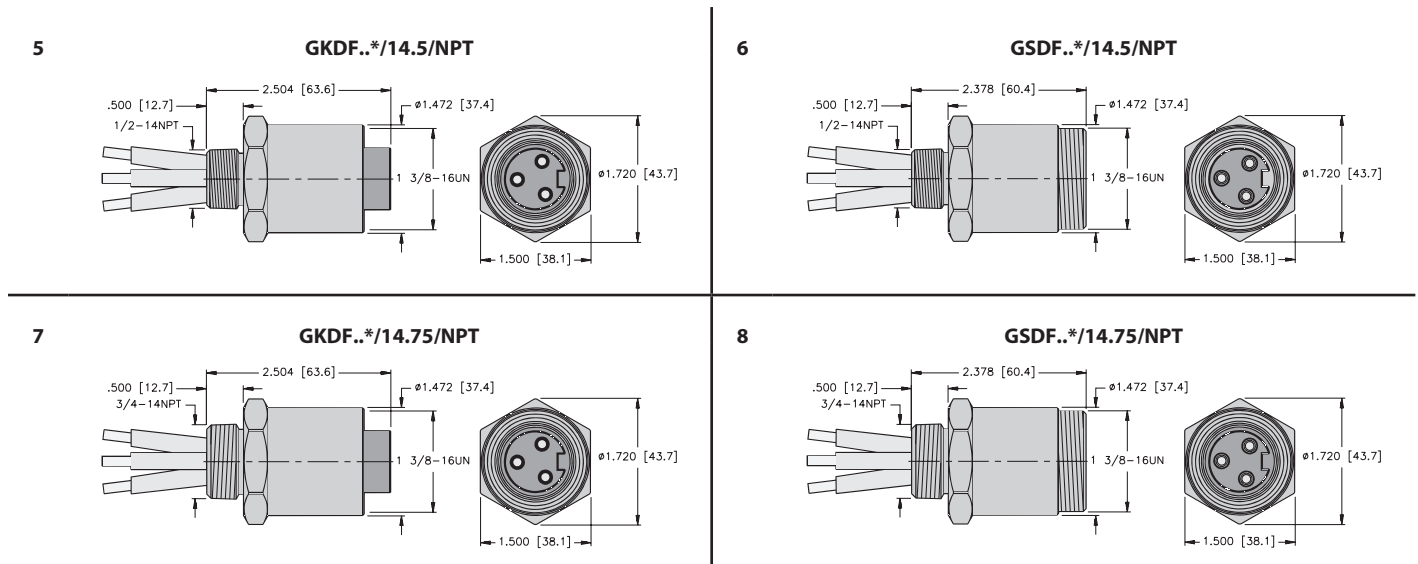
See page 16 for dimensional drawings.

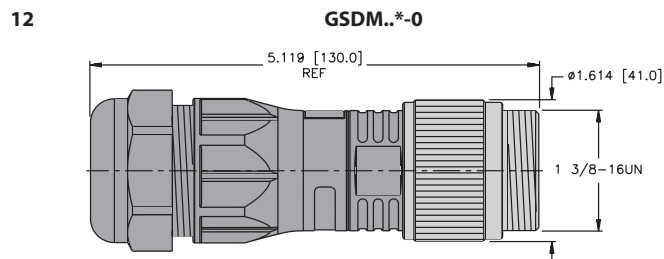
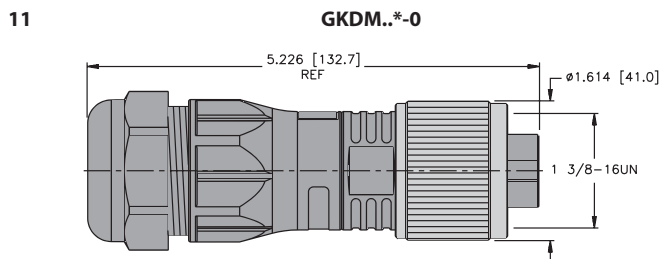
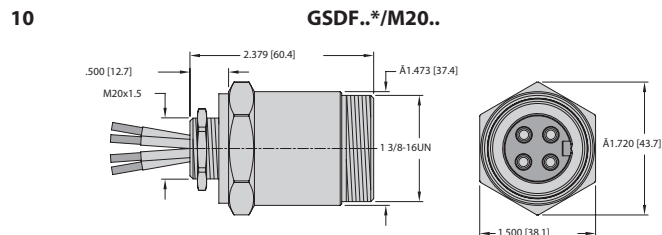
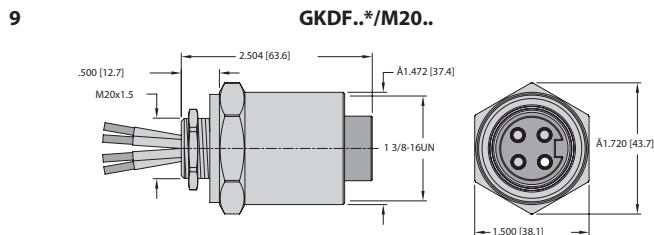
Note: Standard coupling nut material is nickel plated brass. Consult factory for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" Powerfast Cordset Dimensions



D-Size 1 3/8" Powerfast Receptacle and Field Wireable Dimensions





D-Size 1 3/8" Powerfast Cordset, Receptacle and Field Wireable Pinouts

3-Pin		Pinouts	4-Pin		Pinouts
Female	Male		Female	Male	
		1. BK 2. GN 3. WH			1. BK 2. GN 3. RD 4. WH

D-Size 1 3/8" Powerfast Tee Specifications

Mechanical

Mold material/color: PVC/Black

Contact carrier material:

Coupling nut material:

Standard: Nickel plated brass

Additional options: Anodized aluminum
316 stainless steel

Environmental protection: NEMA 1, 3, 4, 6P and
IEC IP67, IP68, IP69K

Temperature rating: -40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material: Brass or copper with gold plating

Cable jacket material/color:

Standard: TC-ER STOOW TPE/Black

Additional options: TC-ER PVC/Black (/S4000 version)

Ratings: 19-31 Amps, 600 VAC



Note: UL approval applies to D-size and A-size power connectors with integral connector drop.

We reserve the right to make technical alterations without prior notice.

D-Size 1 3/8" Powerfast Tee Selection Matrix

				13	14	15	16
							
				Integral D-Size Connector Drop	Integral A-Size Connector Drop	Dual Integral A-Size Power Connector Drop	Integral M16 Connector Drop
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating				
3	10	31 Amps	31 Amps	GSDM/2GKDM 30			
	14	31 Amps	15 Amps		GSDM/GKDM/RKM 34	GSDM/2RKM 34	GSDM/GKDM/BKM 34
4	10	28 Amps	28 Amps	GSDM/2GKDM 40			
	14	28 Amps	15 Amps		GSDM/GKDM/RKM 44	GSDM/2RKM 44	GSDM/GKDM/BKM 44

				17	18	19	20
							
				Cable Drop	Cable Drop With D-Size Power Connector	Cable Drop With A-Size Power Connector	Cable Drop With M16 Power Connector
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	10	31 Amps	31 Amps	GSDM/GKDM/T30-*	GSDM/2GKDM 30-*		
	12	31 Amps	26 Amps	GSDM/GKDM/T32-*	GSDM/2GKDM 32-*		
	14	31 Amps	23 Amps	GSDM/GKDM/T34-*	GSDM/2GKDM 34-*	GSDM/GKDM/RKM 34-.*†	
4	10	28 Amps	28 Amps	GSDM/GKDM/T40-*	GSDM/2GKDM 40-*		
	12	28 Amps	22 Amps	GSDM/GKDM/T42-*	GSDM/2GKDM 42-*		
	14	28 Amps	19 Amps	GSDM/GKDM/T44-*	GSDM/2GKDM 44-*	GSDM/GKDM/RKM 44-.*†	

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	31 Amps	31 Amps	GSDM/GKDM/T30-*/S4000	GSDM/2GKDM 30-*/S4000		
	12	31 Amps	26 Amps	GSDM/GKDM/T32-*/S4000	GSDM/2GKDM 32-*/S4000		
	14	31 Amps	23 Amps	GSDM/GKDM/T34-*/S4000	GSDM/2GKDM 34-*/S4000	GSDM/GKDM/RKM 34-*/S4000†	GSDM/GKDM/BKM 34-*/S4000†
4	10	28 Amps	28 Amps	GSDM/GKDM/T40-*/S4000	GSDM/2GKDM 40-*/S4000		
	12	28 Amps	22 Amps	GSDM/GKDM/T42-*/S4000	GSDM/2GKDM 42-*/S4000		
	14	28 Amps	19 Amps	GSDM/GKDM/T44-*/S4000	GSDM/2GKDM 44-*/S4000	GSDM/GKDM/RKM 44-*/S4000†	GSDM/GKDM/BKM 44-*/S4000†

See page 19-20 for dimensional drawings.

* Length in meters.

† Drop current rating of 15 amps.

Note: Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

We reserve the right to make technical alterations without prior notice.

D-Size 1 3/8" powerfast

D-Size 1 3/8" powerfast Connectivity

D-Size 1 3/8" Powerfast h-Style Tee Selection Matrix



				21		22		23	
				Integral D-Size Connector Drop		Integral A-Size Connector Drop		Integral M16 Connector Drop	
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating						
3	10	31 Amps	31 Amps	SH-GSDM/2GKDM 30					
	14	31 Amps	15 Amps			SH-GSDM/GKDM/RKM 34-*		SH-GSDM/GKDM/BKM 34	
4	10	28 Amps	28 Amps	SH-GSDM/2GKDM 40					
	14	28 Amps	15 Amps			SH-GSDM/GKDM/RKM 44-*		SH-GSDM/GKDM/BKM 44	

				24		25		26		27	
				Cable Drop		Cable Drop With D-Size Power Connector		Cable Drop With A-Size Power Connector		Cable Drop With M16 Power Connector	
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER STOOW		TC-ER STOOW		TC-ER STOOW		TC-ER STOOW	
3	10	31 Amps	31 Amps	SH-GSDM/GKDM/T30-*		SH-GSDM/2GKDM 30-*					
	12	31 Amps	26 Amps	SH-GSDM/GKDM/T32-*		SH-GSDM/2GKDM 32-*					
	14	31 Amps	23 Amps	SH-GSDM/GKDM/T34-*		SH-GSDM/2GKDM 34-*		SH-GSDM/GKDM/RKM 34-*			
4	10	28 Amps	28 Amps	SH-GSDM/GKDM/T40-*		SH-GSDM/2GKDM 40-*					
	12	28 Amps	22 Amps	SH-GSDM/GKDM/T42-*		SH-GSDM/2GKDM 42-*					
	14	28 Amps	19 Amps	SH-GSDM/GKDM/T44-*		SH-GSDM/2GKDM 44-*		SH-GSDM/GKDM/RKM 44-*			

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	31 Amps	31 Amps	SH-GSDM/GKDM/T30-*/S4000	SH-GSDM/2GKDM 30-*/S4000		
	12	31 Amps	26 Amps	SH-GSDM/GKDM/T32-*/S4000	SH-GSDM/2GKDM 32-*/S4000		
	14	31 Amps	23 Amps	SH-GSDM/GKDM/T34-*/S4000	SH-GSDM/2GKDM 34-*/S4000	SH-GSDM/GKDM/RKM 34-*/S4000†	SH-GSDM/GKDM/BKM 34-*/S4000†
4	10	28 Amps	28 Amps	SH-GSDM/GKDM/T40-*/S4000	SH-GSDM/2GKDM 40-*/S4000		
	12	28 Amps	22 Amps	SH-GSDM/GKDM/T42-*/S4000	SH-GSDM/2GKDM 42-*/S4000		
	14	28 Amps	19 Amps	SH-GSDM/GKDM/T44-*/S4000	SH-GSDM/2GKDM 44-*/S4000	SH-GSDM/GKDM/RKM 44-*/S4000 †	SH-GSDM/GKDM/BKM 44-*/S4000 †

See page 21-22 for dimensional drawings.

* Length in meters.

† Drop current rating of 15 amps.

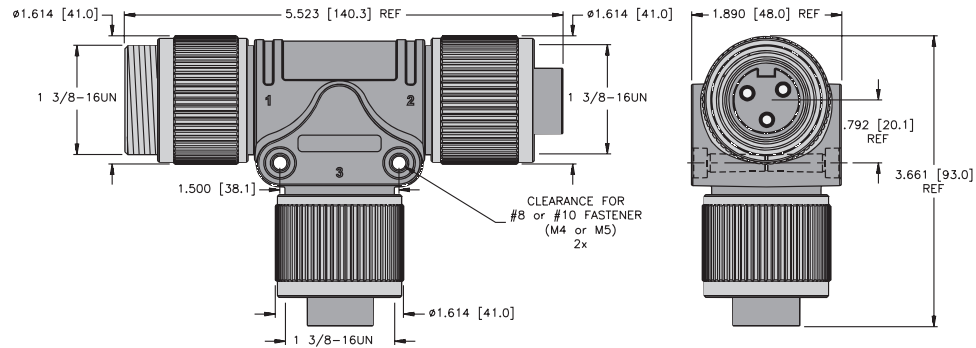
Note: Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

We reserve the right to make technical alterations without prior notice.

2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

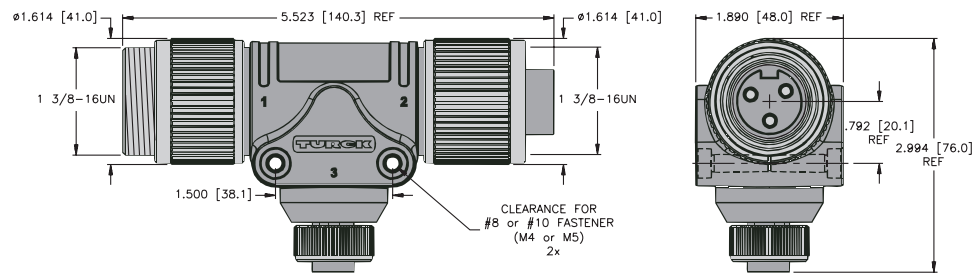
13

Integral D-Size Power Connector Drop
GSDM/2GKDM..



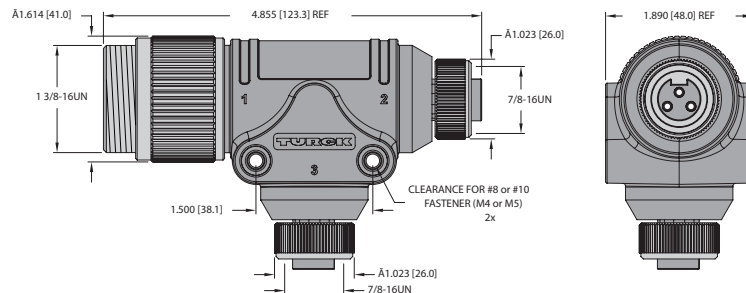
14

Integral A-Size Power Connector Drop
GSDM/GKDM/RKM..



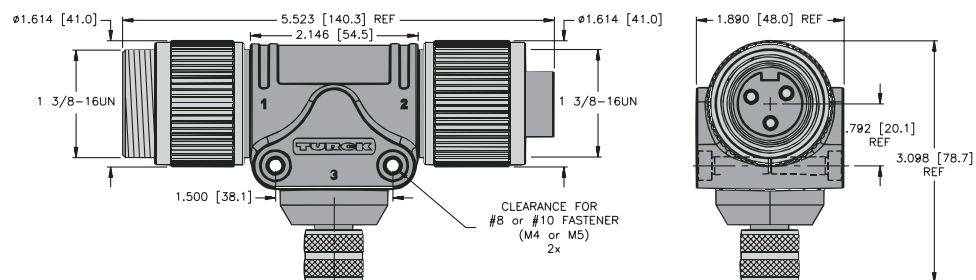
15

Dual Integral A-Size Power Connector Drop
GSDM/2RKM..

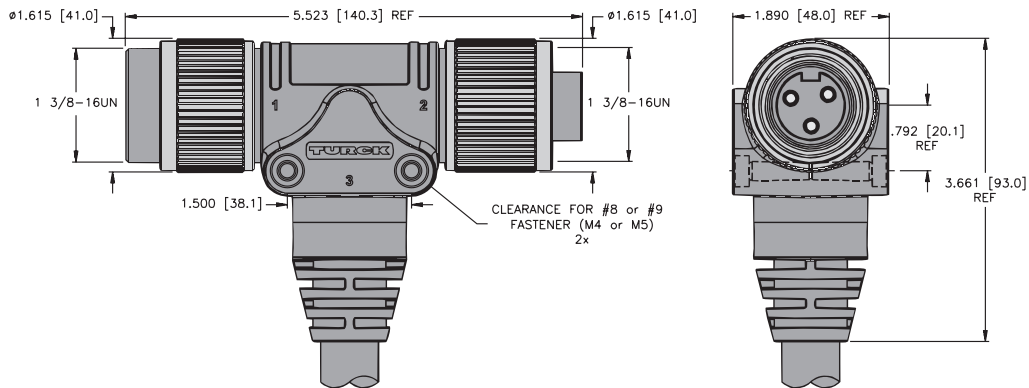


16

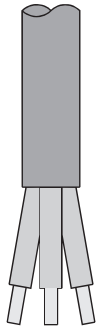
Integral M16 Power Connector Drop
GSDM/GKDM/BKM..



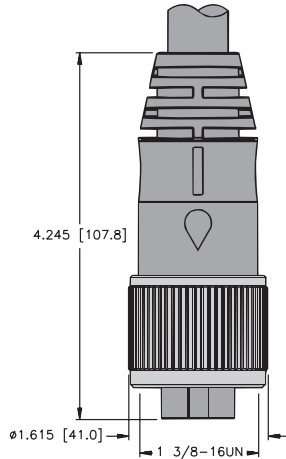
Tee with Cable Drop and Connector Options



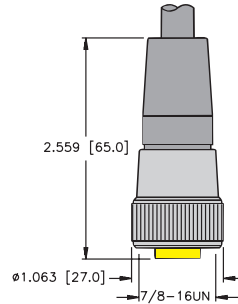
17 Cable Drop
GSDM/GKDM/T..



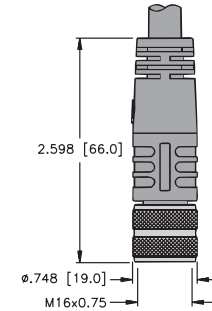
18 D-Size Power Connector
GSDM/2GKDM..



19 A-Size Power Connector
GSDM/GKDM/RKM..



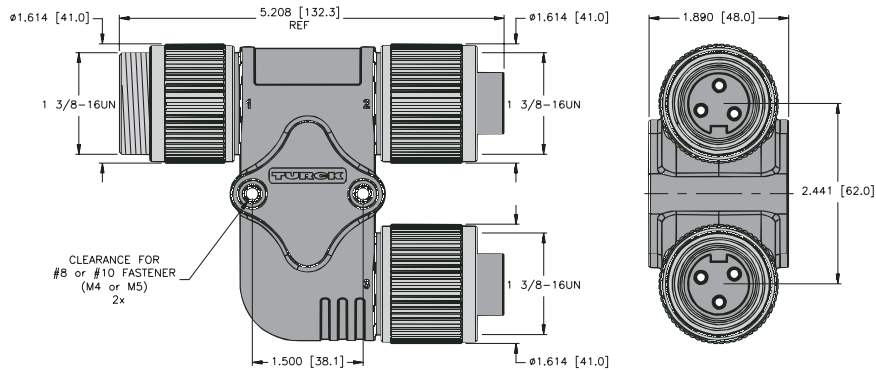
20 M16 Power Connector
GSDM/GKDM/BKM..



D-Size 1 3/8" Powerfast h-Style Tee Dimensions

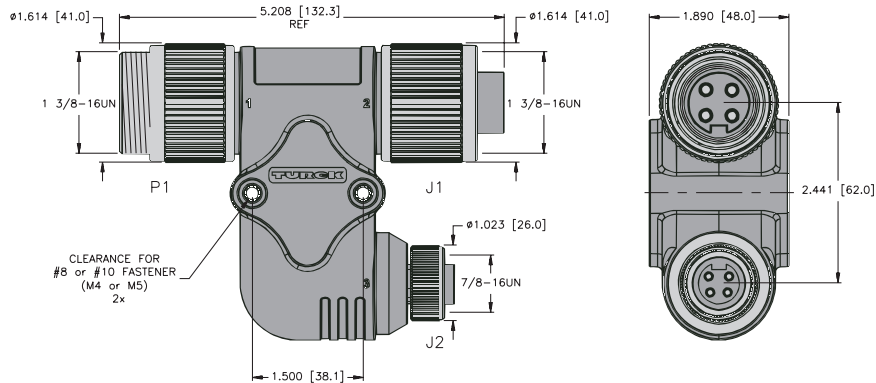
21

Integral D-Size Power Connector Drop
SH-GSDM/2GKDM..



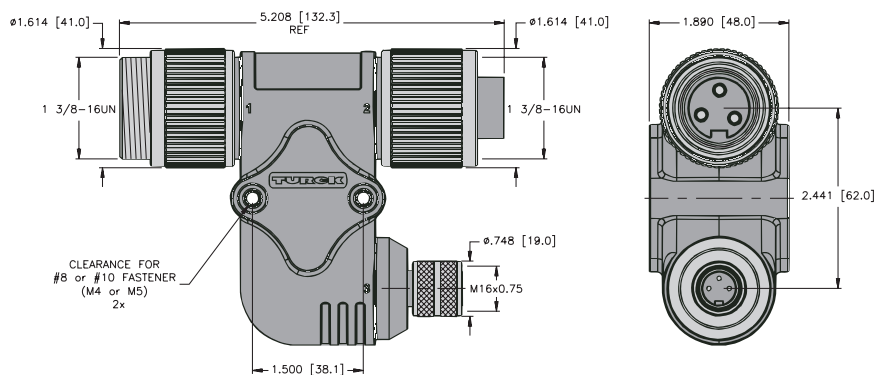
22

Integral A-Size Power Connector Drop
SH-GSDM/GKDM/RKM..

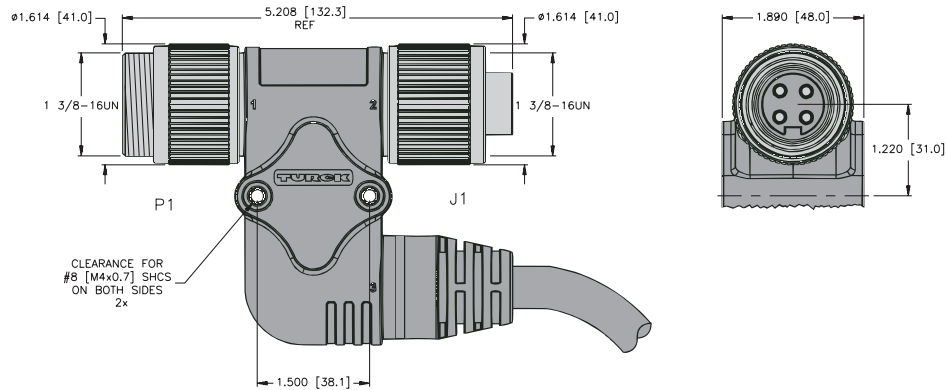


23

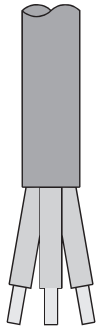
Integral M16 Power Connector Drop
SH-GSDM/GKDM/BKM..



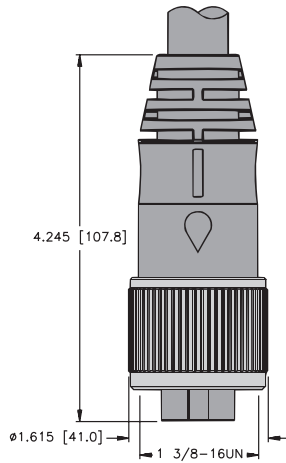
h-Style Tee with Cable Drop and Connector Options



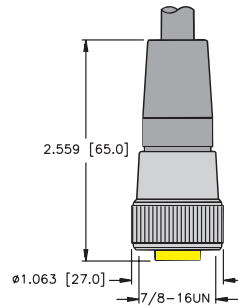
24 Cable Drop
SH-GSDM/GKDM/T



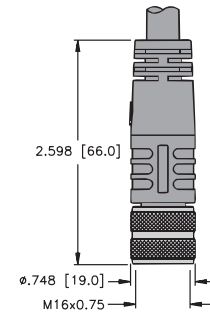
25 D-Size Power Connector
SH-GSDM/2GKDM..



26 A-Size Power Connector
SH-GSDM/GKDM/RKM..



27 M16 Power Connector
SH-GSDM/GKDM/BKM..



D-Size 1 3/8" Powerfast Power Reducer Specifications

Mechanical

Mold material/color:	PVC/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Ratings:	15 Amps, 600 VAC



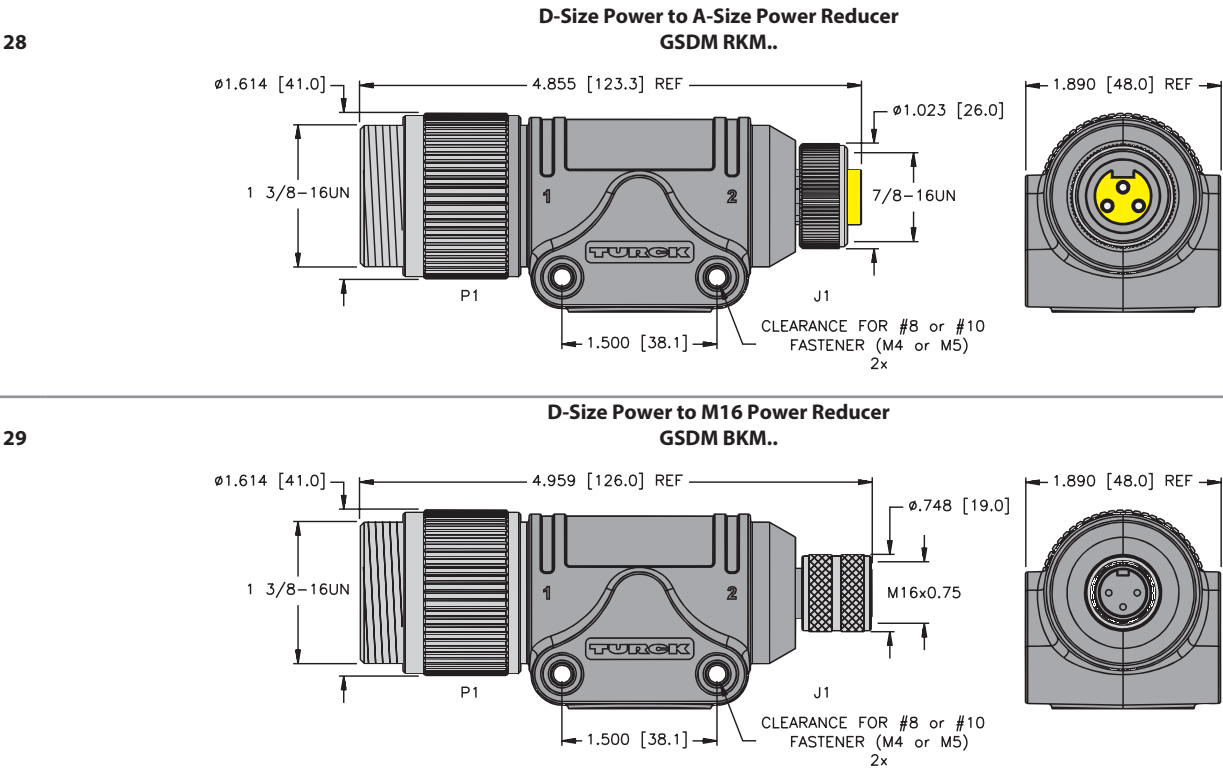
Note: UL approval applies to D-size and A-size Power connectors.

D-Size 1 3/8" Powerfast Power Reducer Selection Matrix

			28		29	
Pins	Drop AWG	Current Rating	D-Size Power to A-Size Power Reducer		D-Size Power to M16 Power Reducer	
3	14	Up to 15 Amps	GSDM RKM 34-0		GSDM BKM 34-0	
4	14	Up to 15 Amps	GSDM RKM 44-0		GSDM BKM 44-0	

See below for dimensional drawings.
Note: Standard coupling nut material is nickel plated brass. Consult factory for anodized aluminum and 316 stainless steel options.

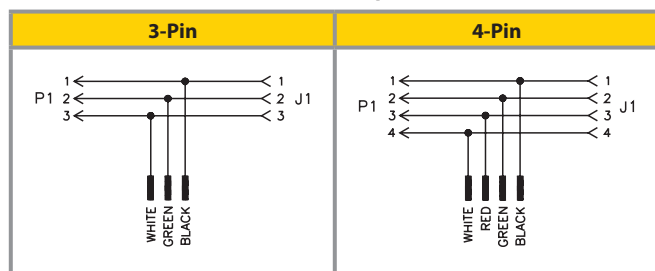
D-Size 1 3/8" Powerfast Power Reducer Dimensions



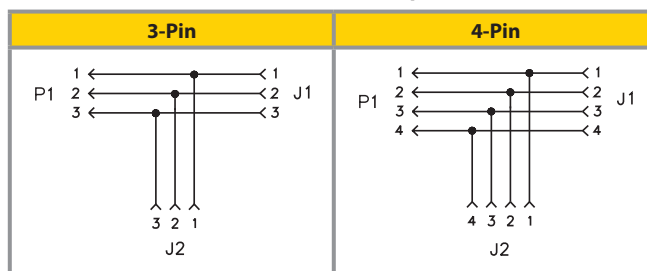
We reserve the right to make technical alterations without prior notice.

D-Size 1 3/8" powerfast

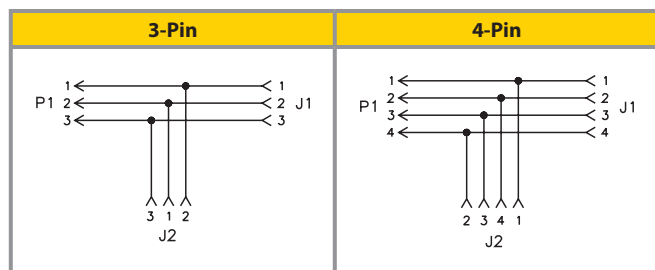
Cable Drop



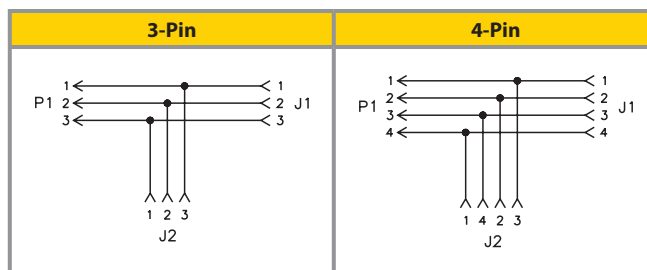
D-Size Power Drop



A-Size Power Drop

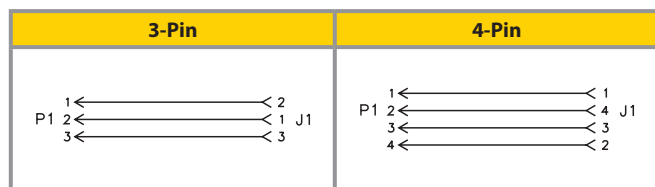


M16 Power Drop

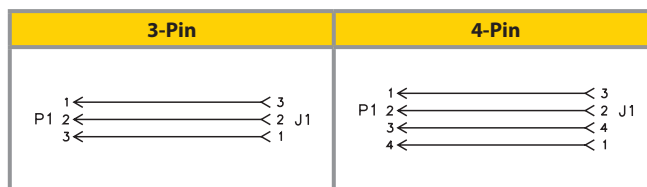


D-Size 1 3/8" Powerfast Power Reducer Wiring Diagrams

D-Size Power to A-Size Power

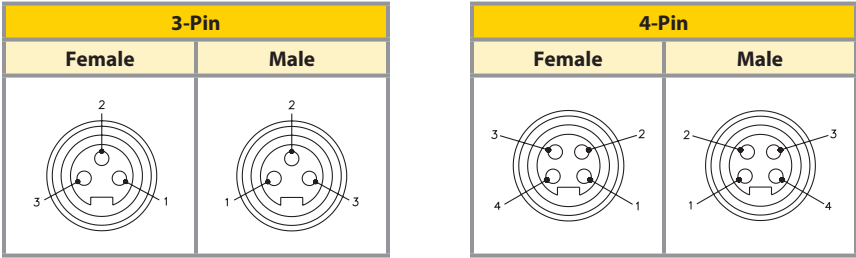


D-Size Power to M16 Power

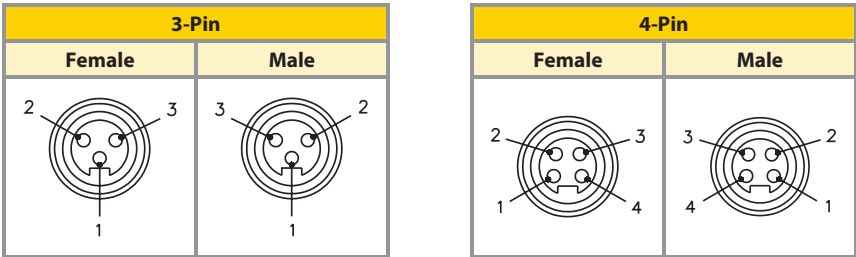


D-Size 1 3/8" Powerfast Tee and Power Reducer Pinouts

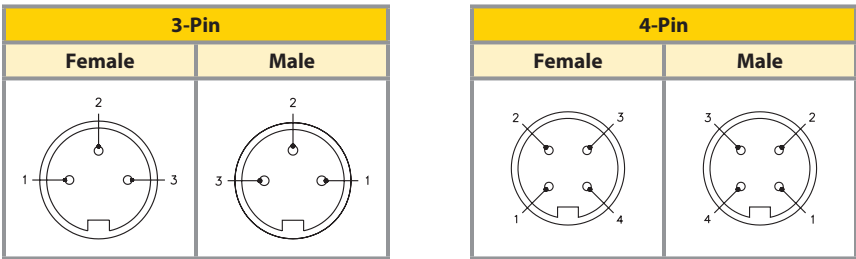
D-Size Power



A-Size Power



M16 Power



D-Size 1 3/8" powerfast

D-Size 1 3/8" powerfast Connectivity



D-Size 1 3/8" Powerfast Closure Cap Selection Matrix

		30	31	32	33	34	35
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" SS Loop Lanyard	6" SS Loop Lanyard	6" SS Lanyard with Eyelet	6" SS Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	1 3/8-16 UN	GKDM-CC	GSDM-CC	GKDF-CC	GSDF-CC	GKDM-MC	GSDM-MC

See table below for dimensional drawings.

D-Size 1 3/8" Powerfast Power Reducer Wiring Diagrams

30 GKDM-CC	31 GSDM-CC	32 GKDF-CC
33 GSDF-CC	34 GKDM-MC	35 GSDM-MC

D-Size 1 3/8" Powerlok

Part Number	Application
LOCK-A POWER	Nylon locking guard for straight or right angle D-Size Powerfast connectors

A-Size Powerlok Open



A-Size Powerlok Closed



Part Number Keys	J28
Cordset, Receptacle and Field Wireable Specifications	J30
Cordset, Receptacle and Field Wireable Selection Matrix	J31
Cordset, Receptacle and Field Wireable Dimensions	J32
Cordset, Receptacle and Field Wireable Pinouts	J33
Tee Specifications	J34
Tee Selection Matrix	J34
Tee Dimensions	J35
Tee Wiring Diagrams	J41
Tee Pinouts	J41
Closure Caps	J42
Powerlok Accessories	J42

Features

- Ideal for small motor applications
- Shielded versions available
- Multiple tee configurations
- 2 to 4-pin
- 12 and 14 AWG conductors
- Up to 18 Amp, 600 Volt rated
- Tray rated-exposed run PVC cable
- IEC IP67 protection



M16 Powerfast Cordset Part Number Key

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

M16 (16 mm) Powerfast Cordset	B S M	34-198	-	*	/S..
Gender K = female connector S = male connector					
Configuration M = straight WM = right angle					
Coupling Nut Material (blank) = nickel plated brass K = nylon V = 316 stainless steel					
				Varieties /S = consult factory, special /CS = consult factory, special	
				Length in Meters	
				Number of Wires / AWG / Color Codes 22-380 = 2x12 AWG WH, BK 34-198 = 3x14 AWG WH, GN, BK 44-193 = 4x14 AWG WH, GN, BK, RD	
				Insertion Point of Extension Cable Second Prefix* * Male connector listed first, female connector second Example: <u>BSM BKM 34-198-*</u>	

Extension Examples



B S M	B K M	34-198	-	*
--------------	--------------	---------------	----------	----------

M16 Powerfast Tee Part Number Key

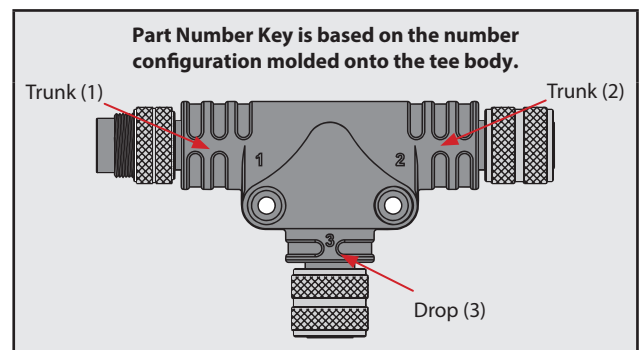
M16 (16 mm) Powerfast	B S M	/	2BKM	34	-	198	-	*	-	/S..
Trunk(1) Identifier K = female connector S = male connector										
Configuration M = straight										
Coupling Nut Material (blank) = nickel plated brass K = nylon V = 316 stainless steel										
Trunk(2) and Drop(3) Identifiers 2BKM = female trunk(2) and female drop(3) BSM/BKM = male trunk(2) and female drop(3) BKM/T = female trunk(2) and cable drop(3)										
								Varieties /S = consult factory, special /CS = consult factory, special		
								Length in Meters (blank) = connector only * = drop cable */** = trunk(1) cable / trunk(2) cable / drop(3) cable		
								AWG / Color Code (blank) = connector only 380 = 2x12 AWG, WH, BK 198 = 3x14 AWG, WH, GN, BK 193 = 4x14 AWG, WH, GN, BK, RD		
								Number of Pins 22 = 2 34 = 3 44 = 4		

Note: Only one male connector per tee available.

Extension Examples

B S M	/	2 B K M	34	-	198	-	*
--------------	----------	----------------	-----------	----------	------------	----------	----------

B S M	/	2 B K M	44
--------------	----------	----------------	-----------



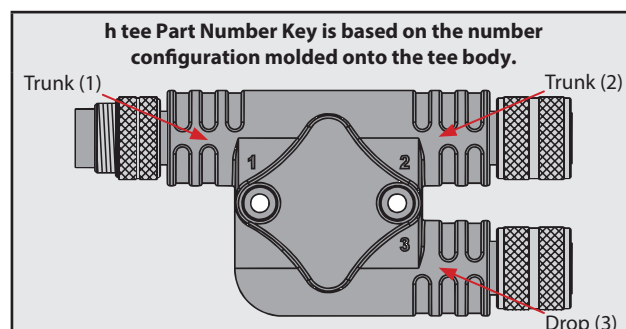
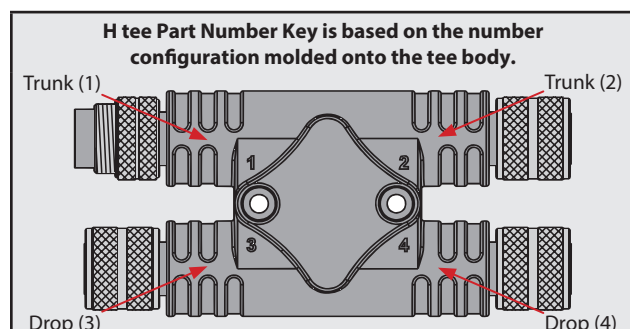
M16 Powerfast Receptacle Part Number Key

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

M16 (16 mm) Powerfast Receptacle Gender K = female receptacle S = male receptacle Designator for Receptacle Housing Style (blank) = front mount D = rear mount Housing Material (blank) = nickel plated brass V = 316 stainless steel	B K F 22 - * /14.5/NPT Thread Type /14.5/NPT = 1/2-14 NPT threads /18.375/NPT = 3/8-18 NPT threads /M20 = M20 threads /M18 = M18 threads Length in Meters Number of Wires / AWG / Color Codes 22 = 2x12 AWG WH, BK 34 = 3x14 AWG WH, GN, BK 44 = 4x14 AWG WH, GN, BK, RD
--	--

M16 Powerfast Tee Part Number Key

M16 (16 mm) Powerfast BH = big H SH = small h M16 (16 mm) Powerfast Trunk(1) Identifier K = female connector S = male connector Configuration M = straight Coupling Nut Material (blank) = nickel plated brass K = nylon V = 316 stainless steel Trunk(2) and Drop(3) Identifiers 2BKM = female trunk(2) and female drop(3) BSM/BKM = male trunk(2) and female drop(3) BKM/T = female trunk(2) and cable drop(3) BSM/BKM = male trunk(2) and female drop(3) BKM/T = female trunk(2) and cable drop(3) Note: Only one male connector per tee available.	BH - B S M / 2BKM 34 - 198 - * - /S.. Varieties /S = consult factory, special /CS = consult factory, special Length in Meters (blank) = connector only * = drop cable */*/ = trunk(1) cable / trunk(2) cable / drop(3) cable */*/*/ = trunk(1) cable / trunk(2) cable / drop(3) cable / drop(4) cable AWG / Color Code (blank) = connector only 380 = 2x12 AWG, WH, BK 198 = 3x14 AWG, WH, GN, BK 193 = 4x14 AWG, WH, GN, BK, RD Number of Pins 22 = 2 34 = 3 44 = 4 Extension Examples B S M / 2 B K M 34 - 198 - * B S M / 2 B K M 44
--	---



M16 Powerfast Cordset Specifications

Mechanical

Mold material/color:	PUR/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/color:	TC-ER PVC/Black
Ratings:	15-18 Amps, 600 V



M16 Powerfast Receptacle Specifications

Mechanical

Contact carrier material:	PUR
Housing material/plating:	
Standard:	Nickel plated brass
Additional options:	316 stainless steel
O-Ring material:	Nitrile (BUNA-N)
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +105 °C (-40 °F to +221 °F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	15-18 Amps, 600 V



M16 Powerfast Field Wireable Specifications

Mechanical

Housing material/color:	Glass filled nylon or PVC/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	NEMA 6P and IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Ratings:	15-18 Amps, 600 VAC

M16 Powerfast Cordset Selection Matrix

			1	2	3	4
						
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
2	12	18 Amps	BKM 22-380-*	BSM 22-380-*	BKWM 22-380-*	BSWM 22-380-*
3	14	15 Amps	BKM 34-198-*	BSM 34-198-*	BKWM 34-198-*	BSWM 34-198-*
4	14	15 Amps	BKM 44-193-*	BSM 44-193-*	BKWM 44-193-*	BSWM 44-193-*

Pins	AWG	Current Rating	SHIELDED TC-ER	SHIELDED TC-ER	SHIELDED TC-ER	SHIELDED TC-ER
2	12	18 Amps	BKMS 22-1759-*	BSMS 22-1759-*	BKWMS 22-1759-*	BSWMS 22-1759-*
3	14	15 Amps	BKMS 34-1364-*	BSMS 34-1364-*	BKWMS 34-1364-*	BSWMS 34-1364-*
4	14	15 Amps	BKMS 44-1363-*	BSMS 44-1363-*	BKWMS 44-1363-*	BSWMS 44-1363-*

We reserve the right to make technical alterations without prior notice.

2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

Front Mount			5	6	7	8
						
			Female	Male	Female	Male
Pins	AWG	Current Rating	1/2-14 NPT Mounting Thread	1/2-14 NPT Mounting Thread	3/8-18 NPT Mounting Thread	3/8-18 NPT Mounting Thread
2	12	18 Amps	BKF 22-*/14.5/NPT	BSF 22-*/14.5/NPT	BKF 22-*/18.375/NPT	BSF 22-*/18.375/NPT
3	14	15 Amps	BKF 34-*/14.5/NPT	BSF 34-*/14.5/NPT	BKF 34-*/18.375/NPT	BSF 34-*/18.375/NPT
4	14	15 Amps	BKF 44-*/14.5/NPT	BSF 44-*/14.5/NPT	BKF 44-*/18.375/NPT	BSF 44-*/18.375/NPT

Front Mount			9	10	11	12
						
			Female	Male	Female	Male
Pins	AWG	Current Rating	M18 Mounting Thread	M18 Mounting Thread	M20 Mounting Thread	M20 Mounting Thread
2	12	18 Amps	BKF 22-*/M18	BSF 22-*/M18	BKF 22-*/M20	BSF 22-*/M20
3	14	15 Amps	BKF 34-*/M18	BSF 34-*/M18	BKF 34-*/M20	BSF 34-*/M20
4	14	15 Amps	BKF 44-*/M18	BSF 44-*/M18	BKF 44-*/M20	BSF 44-*/M20

Front Mount			13	14
				
			Female	Male
Pins	AWG	Current Rating	M18 Mounting Thread	M18 Mounting Thread
2	12	18 Amps	BKFD 22-*/M18	BSFD 22-*/M18
3	14	15 Amps	BKFD 34-*/M18	BSFD 34-*/M18
4	14	15 Amps	BKFD 44-*/M18	BSFD 44-*/M18

See pages 32-33 for dimensional drawings.

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

Note: Standard housing material is nickel plated brass. Consult Part Number Key (page 27) for 316 stainless steel options.

M16 powerfast

M16 Powerfast Field Wireable Selection Matrix

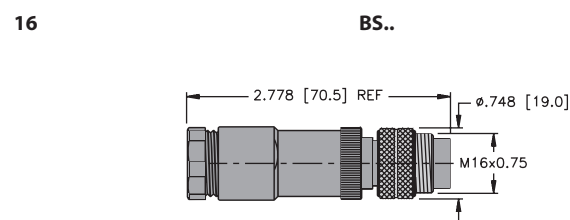
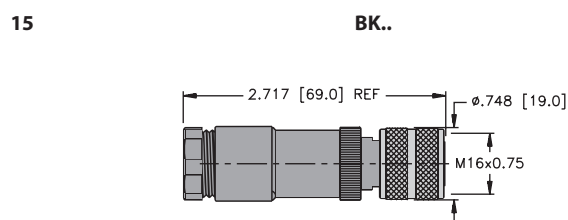
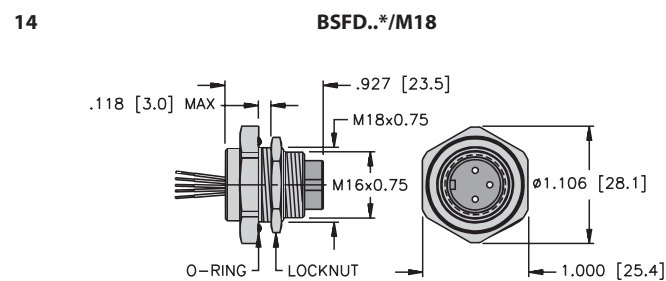
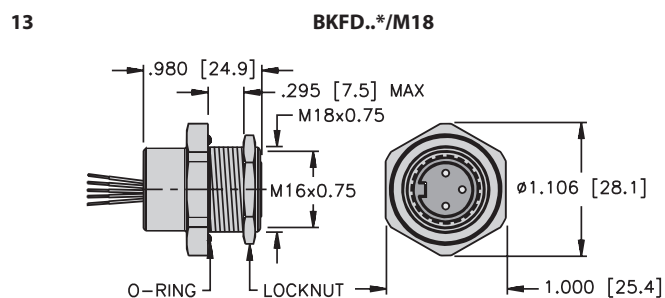
			15	16
				
			Straight Female, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter	Straight Male, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter
Pins	Acceptable Conductor AWG	Current Rating	Screw Terminal	Screw Terminal
2	12	18 Amps	BK 22-0	BS 22-0
3	14	15 Amps	BK 34-0	BS 34-0
4	14	15 Amps	BK 44-0	BS 44-0

See page 33 for dimensional drawings.

* Note: Standard coupling nut material is nickel plated brass. Consult factory for nylon and 316 stainless steel options.

1 BKM..	2 BSM..
3 BKWM..	4 BSWM..
5 BKF../14.5/NPT	6 BSF../14.5/NPT
7 BKF../18.375/NPT	8 BSF../18.375/NPT
9 BKF../M18	10 BSF../M18
11 BKF../M20	12 BSF../M20

M16 Powerfast Cordset, Receptacle and Field Wireable Dimensions



M16 Powerfast Cordset, Receptacle and Field Wireable Pinouts

2-Pin		Pinouts
Female	Male	
		1. WH 2. BK
3-Pin		Pinouts
Female	Male	
		1. WH 2. GN 3. BK
4-Pin		Pinouts
Female	Male	
		1. WH 2. GN 3. BK 4. RD

M16 Powerfast Tee Specifications

Mechanical

Mold material/color:	PUR/Black
Contact carrier material:	PUR
Housing material/plating:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel

Environmental protection: IEC IP67

Temperature rating:

Integral connector version:	-40 °C to +105 °C (-40 °F to +221 °F)
Cable version:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/color:	TC-ER PVC/Black
Ratings:	15-18 Amps, 600 V



M16 Powerfast Tee Selection Matrix

			17	18	19	20
			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
2	12	18 Amps	BSM/2BKM 22	BSM/2BKM 22-380-*	BSM/2BKM 22-380-*/*/	BSM/BKM/T22-380-*
3	14	15 Amps	BSM/2BKM 34	BSM/2BKM 34-198-*	BSM/2BKM 34-198-*/*/	BSM/BKM/T34-198-*
4	14	15 Amps	BSM/2BKM 44	BSM/2BKM 44-193-*	BSM/2BKM 44-193-*/*/	BSM/BKM/T44-193-*

We reserve the right to make technical alterations without prior notice.

M16 Powerfast h-Style Tee Selection Matrix

			21	22	23	24
						
Trunk #1: Male Connector			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating		TC-ER	TC-ER	TC-ER
2	12	18 Amps	SH-BSM/2BKM 22	SH-BSM/2BKM 22-380-*	SH-BSM/2BKM 22-380-*/**	SH-BSM/BKM/T22-380-*
3	14	15 Amps	SH-BSM/2BKM 34	SH-BSM/2BKM 34-198-*	SH-BSM/2BKM 34-198-*/**	SH-BSM/BKM/T34-198-*
4	14	15 Amps	SH-BSM/2BKM 44	SH-BSM/2BKM 44-193-*	SH-BSM/2BKM 44-193-*/**	SH-BSM/BKM/T44-193-*

			25	26	27	28
						
Trunk #2: Male Connector			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating		TC-ER	TC-ER	TC-ER
2	12	18 Amps	SH-BKM/BSM/BKM 22	SH-BKM/BSM/BKM 22-380-*	SH-BKM/BSM/BKM 22-380-*/*/*	SH-BKM/BSM/T22-380-*
3	14	15 Amps	SH-BKM/BSM/BKM 34	SH-BKM/BSM/BKM 34-198-*	SH-BKM/BSM/BKM 34-198-*/*/*	SH-BKM/BSM/T34-198-*
4	14	15 Amps	SH-BKM/BSM/BKM 44	SH-BKM/BSM/BKM 44-193-*	SH-BKM/BSM/BKM 44-193-*/*/*	SH-BKM/BSM/T44-193-*

2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

			29		30		31	
Trunk #1: Male Connector			Integral M16 Power Connector Drop		Cable Drop with M16 Power Connector		Cable Trunk and Cable Drop with M16 Power Connectors	
Pins	AWG	Current Rating			TC-ER		TC-ER	
2	12	18 Amps	BH-BSM/3BKM 22		BH-BSM/3BKM 22-380-*		BH-BSM/3BKM 22-380-*/*/*	
3	14	15 Amps	BH-BSM/3BKM 34		BH-BSM/3BKM 34-198-*		BH-BSM/3BKM 34-198-*/*/*	
4	14	15 Amps	BH-BSM/3BKM 44		BH-BSM/3BKM 44-193-*		BH-BSM/3BKM 44-193-*/*/*	

			32		33		34	
Trunk #1: Male Connector			Integral M16 Power Connector Drop		Cable Drop with M16 Power Connector		Cable Trunk and Cable Drop with M16 Power Connectors	
Pins	AWG	Current Rating			TC-ER		TC-ER	
2	12	18 Amps	BH-BKM/BSM/2BKM 22		BH-BKM/BSM/2BKM 22-380-*		BH-BKM/BSM/2BKM 22-380-*/*/*	
3	14	15 Amps	BH-BKM/BSM/2BKM 34		BH-BKM/BSM/2BKM 34-198-*		BH-BKM/BSM/2BKM 34-198-*/*/*	
4	14	15 Amps	BH-BKM/BSM/2BKM 44		BH-BKM/BSM/2BKM 44-193-*		BH-BKM/BSM/2BKM 44-193-*/*/*	

See pages 35-40 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.
Note: Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 27) for nylon and 316 stainless steel options.

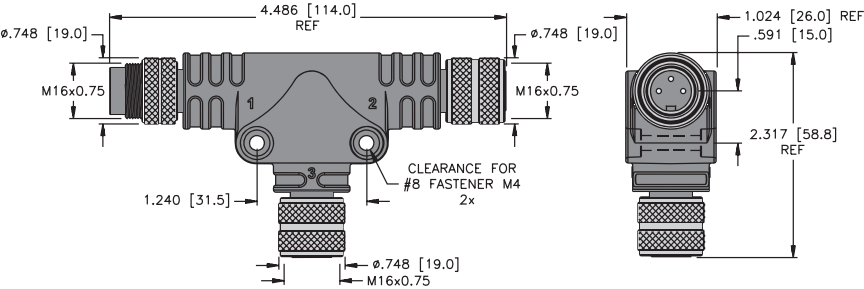
We reserve the right to make technical alterations without prior notice.

M16 powerfast

M16 Powerfast Tee Dimensions

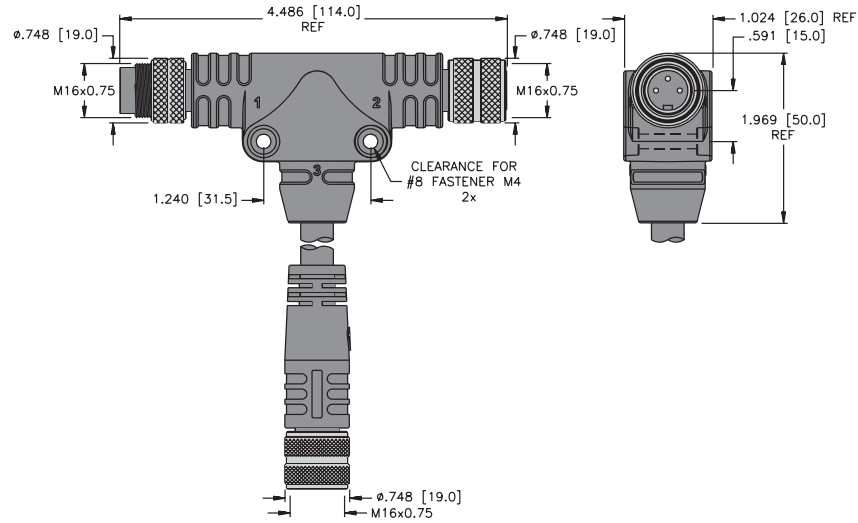
17

Integral M16 Power Connector Drop
BSM/2BKM..



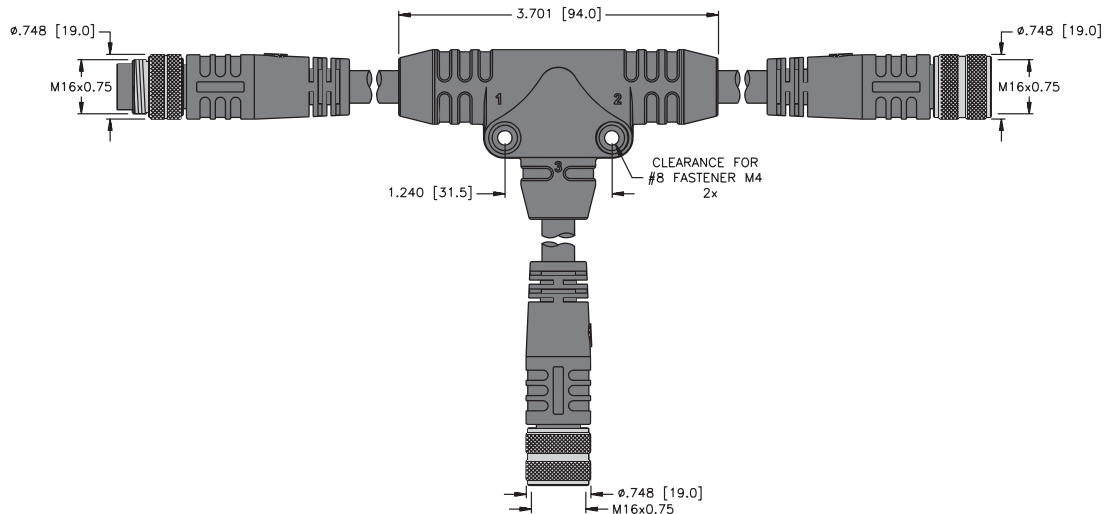
18

**Cable Drop with M16 Power Connector
BSM/2BKM..**



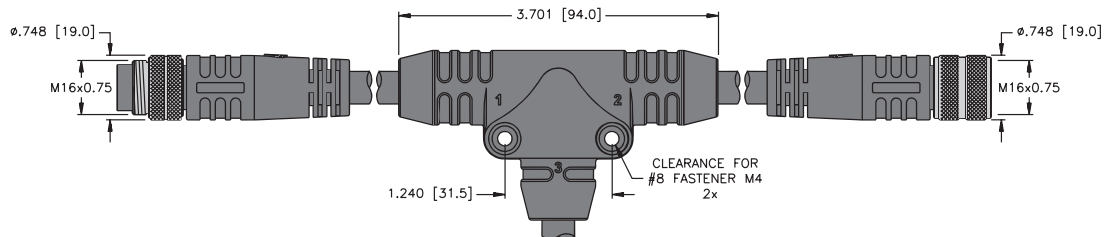
19

**Cable Trunk and Cable Drop with M16 Power Connectors
BSM/2BKM..**



20

**Cable Drop
BSM/BKM/T..**



21



Technical drawing of the 1000 Series 2-Port 1/2" device. The drawing includes a side view and a top view. Key dimensions are provided in both inches and millimeters:

- Overall length: 4.486 [114.0] REF.
- Port diameter: $\phi.748$ [19.0]
- Port thread: M16x0.75
- Clearance for #8 fastener M4: 2x
- Port spacing: 1.240 [31.5]
- Top view dimensions: 1.024 [26.0] REF. and 1.181 [30.0]

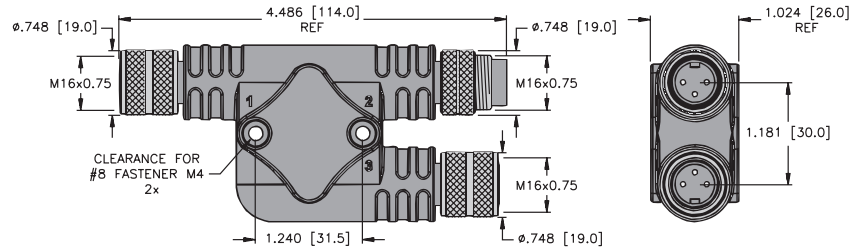
Technical drawing of the 3.701 REF cable assembly. The drawing shows a central cable body with two connectors on the left and right. Dimensions are provided in millimeters and inches in brackets. The central cable body has a length of 3.701 [94.0] REF. The connectors have a diameter of $\phi 7.48$ [19.0] and a mounting hole of M16x0.75. The central cable body has a width of 1.240 [31.5] and a clearance for #8 fastener M4 2x. The drawing also shows a detail of the connector with a diameter of $\phi 7.48$ [19.0] and a mounting hole of M16x0.75.

The technical drawing shows two views of the M16x0.75 connector:

- Side View (Left):** Shows the profile of the connector with dimensions:
 - Total length: 4.487 [114.0] REF.
 - End flange diameter: $\phi .748$ [19.0]
 - Threaded section diameter: M16x0.75
 - Mounting holes: Two holes labeled 1 and 2, with a dimension of 1.240 [31.5] between their centers.
 - Clearance: "CLEARANCE FOR #8 FASTENER M4 2x" indicating two clearance points for mounting.
- Front View (Right):** Shows the circular face of the connector with dimensions:
 - Outer diameter: $\phi .748$ [19.0]
 - Reference distance from center to edge: 1.024 [26.0] REF.
 - Internal feature depth/diameter: .591 [15.0]

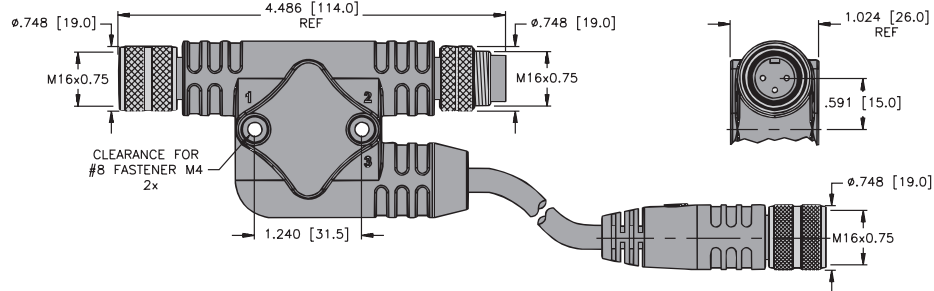
25

**Integral M16 Power Connector Drop, Trunk #2 Male
SH-BKM/BSM/BKM..**



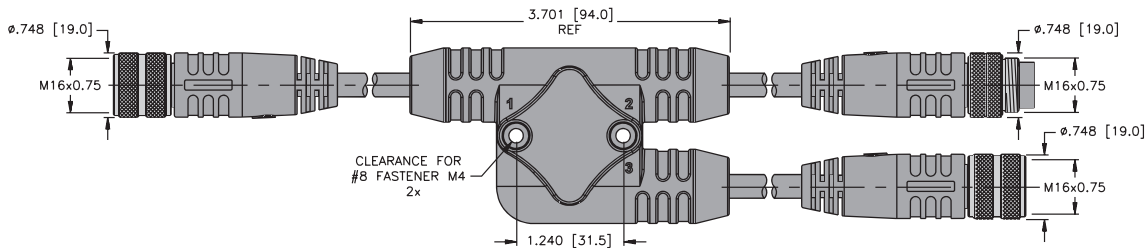
26

**Cable Drop with M16 Power Connector, Trunk #2 Male
SH-BKM/BSM/BKM..**



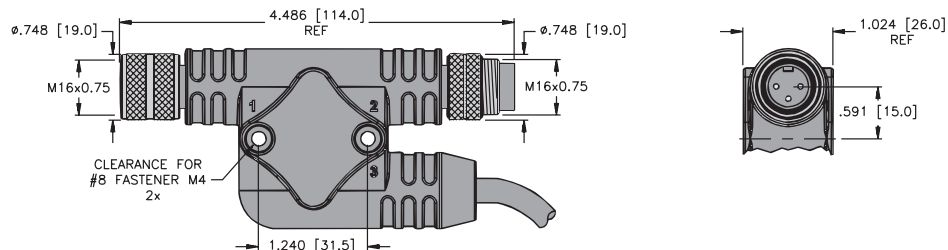
27

**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #2 Male
SH-BKM/BSM/BKM..**



28

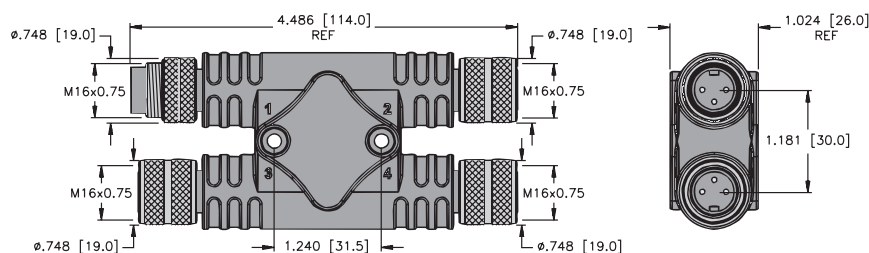
**Cable Drop, Trunk #2 Male
SH-BKM/BSM/T..**



M16 Powerfast H-Style Tee Dimensions

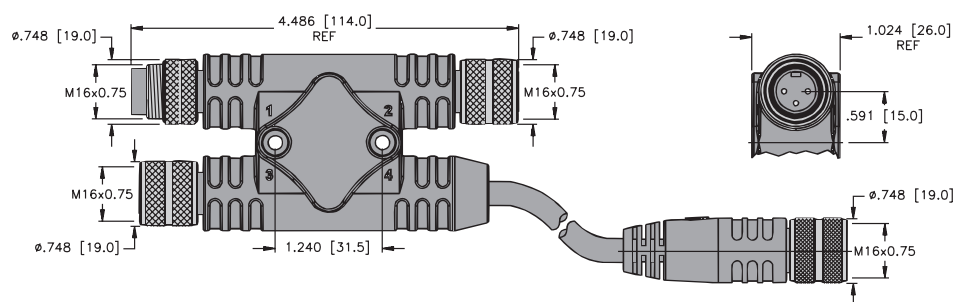
29

**Integral M16 Power Connector Drop, Trunk #1 Male
BH-BSM/3BKM..**



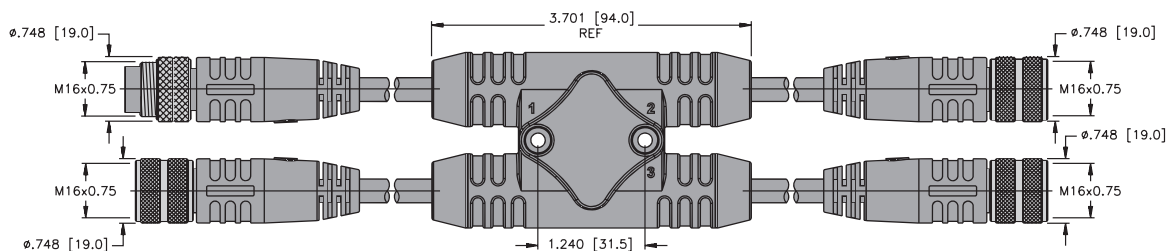
30

**Cable Drop with M16 Power Connector, Trunk #1 Male
BH-BSM/3BKM..**



31

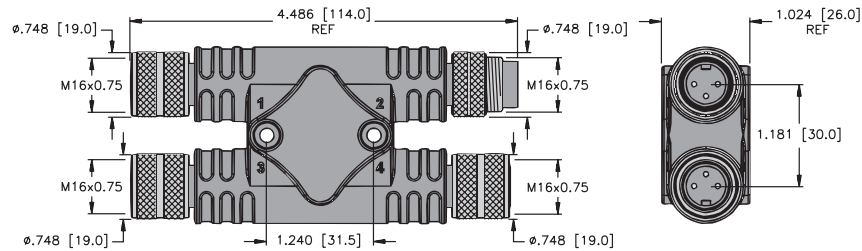
**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #1 Male
BH-BSM/3BKM..**



M16 powerfast

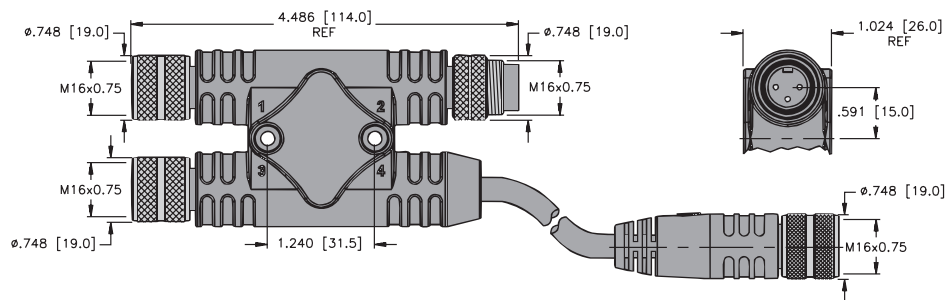
32

**Integral M16 Power Connector Drop, Trunk #2 Male
BH-BKM/BSM/2BKM..**



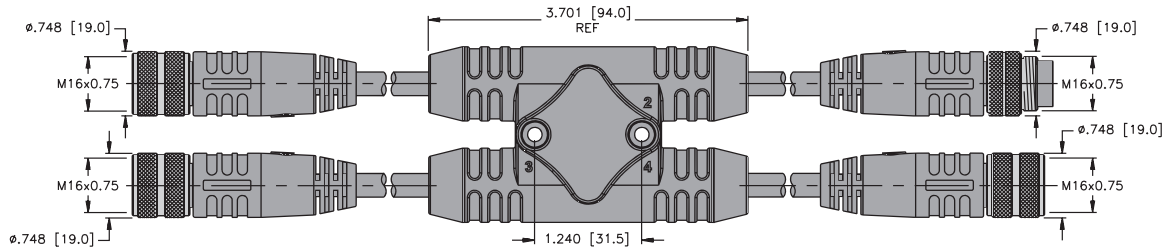
33

**Cable Drop with M16 Power Connector, Trunk #2 Male
BH-BKM/BSM/2BKM..**

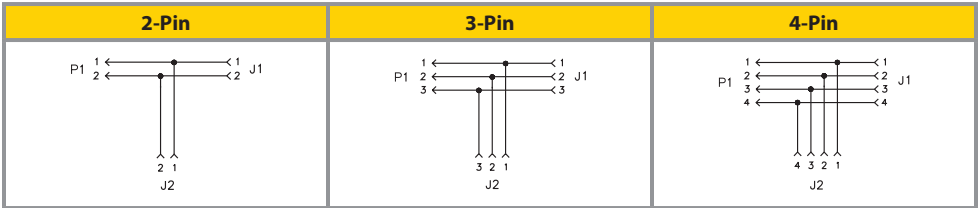


34

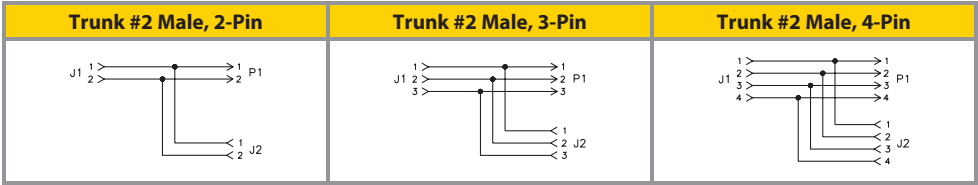
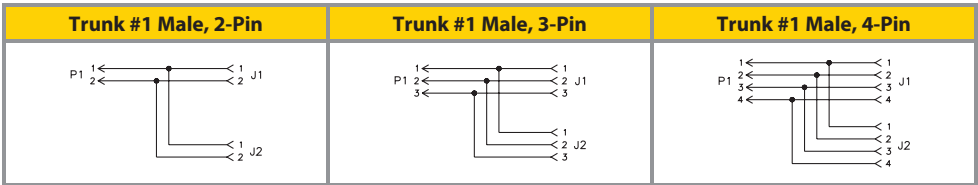
**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #2 Male
BH-BKM/BSM/2BKM..**



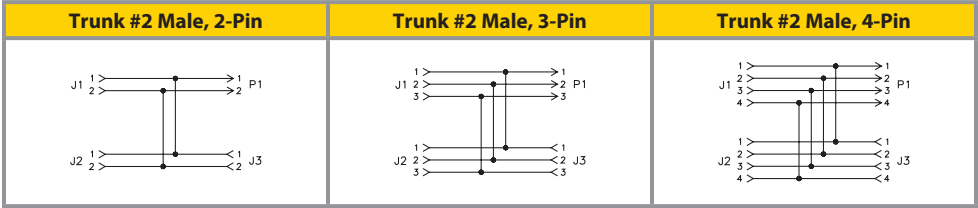
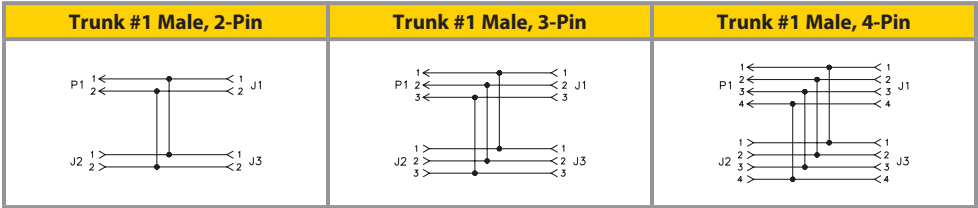
M16 Powerfast Tee Wiring Diagrams



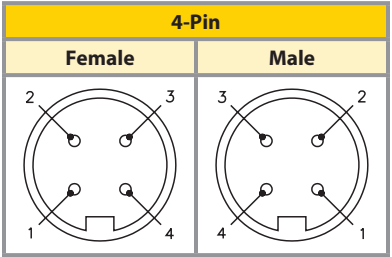
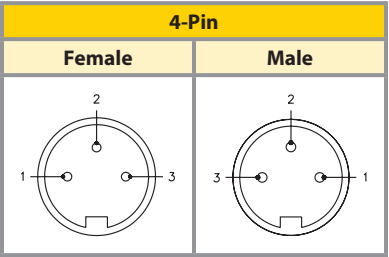
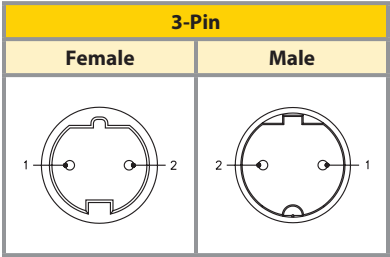
M16 Powerfast h-Style Tee Wiring Diagrams



M16 Powerfast H-Style Tee Wiring Diagrams



M16 Powerfast Tee Pinouts



M16 Powerfast Closure Cap Selection Matrix

		35	36	37	38	39	40
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" SS Loop Lanyard	6" SS Loop Lanyard	6" SS Lanyard with Eyelet	6" SS Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	M16	BKM-CC	BSM-CC	BKF-CC	BSK-CC	BKM-MC	BSM-MC

See table below for dimensional drawings.

M16 Powerfast Closure Cap Dimensions

35 GKDM-CC 	36 GSDM-CC 	37 GKDF-CC
38 GSDF-CC 	39 GKDM-MC 	40 GSDM-MC

M16 Powerlok

Part Number	Application
LOCK-M16	Nylon locking guard for straight M16 Powerfast connectors
LOCK-M16-TEE	

M16 Powerlok Open



M16 Powerlok Closed



Part Number Keys	J44
Cordset and Receptacle Specifications	J45
Cordset and Receptacle Selection Matrix	J46
Cordset and Receptacle Dimensions	J47
Cordset and Receptacle Pinouts	J48

Features

- Options for combination of power and signal wires in one cable
- Shielded versions available
- 6 to 9-pin
- 12 to 14 AWG conductors for power, 18 AWG conductors for signal
- Up to 30 Amp, 600 Volt rated for power
- Up to 8 Amp, 300 Volt rated for signal
- AWM or tray rated-exposed run PVC cable
- IEC IP67 protection

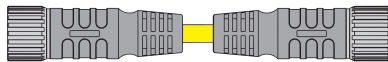


M23 Powerfast Cordset Part Number Key

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

B	S	M	34-198	-	*	/S..
M23 (23 mm) Powerfast Cordset			Varieties			
Gender			(blank) = PVC jacket			
K = female contact holder, female threads			/S90 = PUR jacket			
S = male contact holder, female threads			Length in Meters			
SS = male contact holder, male threads						
Configuration			Number of Wires / AWG / Color Codes			
M = straight			64-078 = 6x14 AWG WH, RD, GN, OG, BK, BU			
WM = right angle			74-079 = 7x14 AWG WH/BK, BK, WH, RD, OG, BU, GN			
(blank) = straight assembled connector			94-080 = 3x14 & 6X18 AWG RD, WH, WH/BK, BU, OG, BK, GN/BK, GN, RD/BK			
			622-059 = 6x12 AWG BU, RD, GN, BN, OG, YE			
			822-287 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK			
			622-286 = 6x12 AWG BU, RD, GN, BN, OG, YE			
			822-288 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK			
Coupling Nut Material			Insertion Point of Extension Cable Second Prefix*			
(blank) = nickel plated brass			* Male connector listed first, female connector second			
V = stainless steel			Example: <u>CSM CKM 64-078-1</u>			
S = shielded						

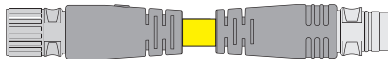
Extension Examples



C K M

C K M

74-079 - ***** **/S..**



C SS M

C K M

622-059 - ***** **/S..**

M23 Powerfast Receptacle Part Number Key

C	K	F	64-6	-	*	/M20
M23 (23 mm) Powerfast Cordset			Connection Thread			
Gender			/M20 = M20x1.5 threads			
K = female contact holder, male threads			Length in Meters			
S = male contact holder, male threads						
Designator for Receptacle			Number of Wires / AWG / Color Codes			
			64-6 = 6x14 AWG WH, RD, GN, OG, BK, BU			
			74-7 = 7x14 AWG WH/BK, BK, WH, RD, OG, BU, GN			
			94-9 = 3x14 & 6X18 AWG RD, WH, WH/BK, BU, OG, BK, GN/BK, GN, RD/BK			
			622-6 = 6x12 AWG BU, RD, GN, BN, OG, YE			
			822-8 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK			
			Number of Wires / AWG / Color Codes			
			(blank) = front mount			
			D = rear mount			
			F = flange			
			MF = flange, rotating coupling nut			
			L = front mount, long threads			

M23 Powerfast Single Keyway Cordset Specifications

Mechanical

Mold material/color:	PUR/Black
Contact carrier material:	Nylon or PBT
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	316 stainless steel
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +105 °C (-40 °F to +221 °F)

Electrical

Contact material:	Brass with gold plating
Cable jacket material/color:	PVC/Yellow
Ratings:	
Power:	20 Amps, 300 V
Signal:	8 Amps, 150 V

M23 Powerfast 3-Key Cordset Specifications

Mechanical

Mold material/color:	PUR/Black
Contact carrier material:	Nylon or PBT
Coupling nut material:	
Standard:	Nickel plated brass
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass with gold plating
Cable jacket material/color:	TC-ER PVC/Yellow
Ratings:	
Power:	30 Amps, 600 V
Signal:	9 Amps, 300 V

M23 Powerfast Single Keyway Receptacle Specifications

Mechanical

Contact carrier material:	Nylon or PBT
Housing material/plating:	
Standard:	Nickel plated brass
Additional options:	316 stainless steel
Environmental protection:	IEC IP67
Temperature rating:	-30 to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass with gold plating
Conductor insulation:	PVC
Ratings:	
Power:	20 Amps, 300 V
Signal:	8 Amps, 150 V

M23 Powerfast 3-Key Receptacle Specifications

Mechanical

Contact carrier material:	Nylon or PBT
Housing material/plating:	
Standard:	Zinc die-cast, chromated
Environmental protection:	IEC IP67
Temperature rating:	-30 to +80 °C (-40 °F to +176 °F)

Electrical

Contact material:	Brass with gold plating
Conductor insulation:	PVC
Ratings:	
Power:	30 Amps, 600 V
Signal:	9 Amps, 300 V

M23 Powerfast Single Keyway Cordset Selection Matrix

			1	2	3
			Straight Female	Straight Male	Straight Male
Pins	AWG	Current Rating	Single Keyway	Single Keyway	Single Keyway
6	14	20 Amps	CKM 64-078-*	CSM 64-078-*	CSSM 64-078-*
7	14	20 Amps	CKM 74-079-*	CSM 74-079-*	CSSM 74-079-*
9	3x14; 6x18	8 Amps (1-3,5,7,9), 20 Amps (4,6,8)	CKM 94-080-*	CSM 94-080-*	CSSM 94-080-*

M23 Powerfast 3-Key Cordset Selection Matrix

			4	5	6	7
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	3-Key	3-Key	3-Key	3-Key
6	12	30 Amps	CKM 622-059-*	CSSM 622-059-*	CKWM 622-059-*	CSSWM 622-059-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKM 822-287-*	CSSM 822-287-*	CKWM 822-287-*	CSSWM 822-287-*

Pins	AWG	Current Rating	Shielded 3-Key	Shielded 3-Key	Shielded 3-Key	Shielded 3-Key
6	12	30 Amps	CKMS 622-286-*	CSSMS 622-286-*	CKWMS 622-286-*	CSSWMS 622-286-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKMS 822-288-*	CSSMS 822-288-*	CKWMS 822-288-*	CSSWMS 822-288-*

M23 Powerfast Single Keyway Receptacle Selection Matrix

			8	9	10	11
			Female	Male	Female	Male
Pins	AWG	Current Rating	M20 Mount, Standard Thread	M20 Mount, Standard Thread	M20 Mounting, Long Thread	M20 Mounting, Long Thread
6	14	20 Amps	CKF 64-6-*	CSF 64-6-*	CKFL 64-6-*	CSFL 64-6-*
7	14	20 Amps	CKF 74-7-*	CSF 74-7-*	CKFL 74-7-*	CSFL 74-7-*
9	3x14; 6x18	8 Amps (1-3,5,7,9), 20 Amps (4,6,8)	CKF 94-9-*	CSF 94-9-*	CKFL 94-9-*	CSFL 94-9-*

M23 Powerfast 3-Key Receptacle Selection Matrix

			12	13	14	15
			Female	Male	Female	Male
Pins	AWG	Current Rating	Flange Mount	Flange Mount	M20 Mounting Thread	M20 Mounting Thread
6	12	30 Amps	CKFMF 622-6-*	CSFF 622-6-*	CKFMF 622-6-*/M20	CSFF 622-6-*/M20
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKFMF 822-8-*	CSFF 822-8-*	CKFMF 822-8-*/M20	CSFF 822-8-*/M20

See pages 47-48 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Note: Extension cables are available, please consult Part Number Key (page 42).

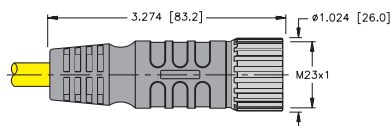
Standard coupling nut and housing material is nickel plated brass. Consult Part Number Key (page 42) for 316 stainless steel options.

We reserve the right to make technical alterations without prior notice.

M23 Powerfast Single Keyway Cordset Dimensions

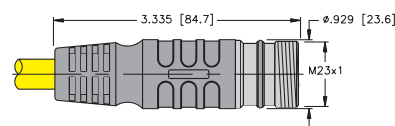
1 & 2

CKM (CSM)..



3

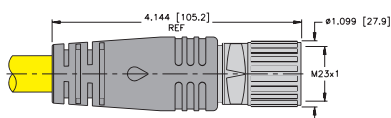
CSSM..



M23 Powerfast 3-Key Cordset Dimensions

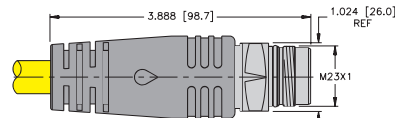
4

CKM..



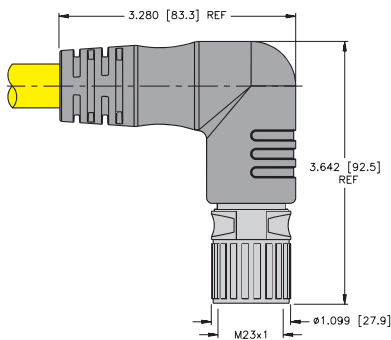
5

CSSM..



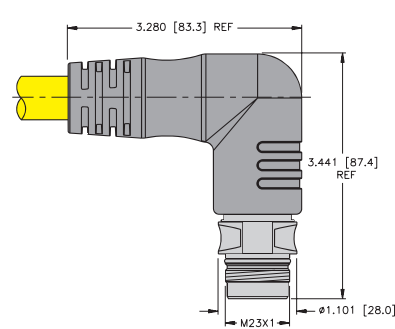
6

CKWM..



7

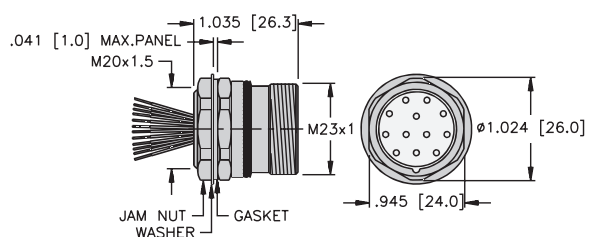
CSSWM..



M23 Powerfast Single Keyway Receptacle Dimensions

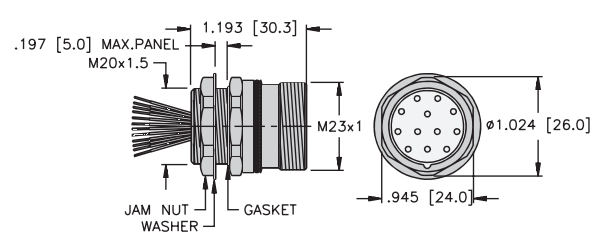
8 & 9

CKF (CSF)..



10 & 11

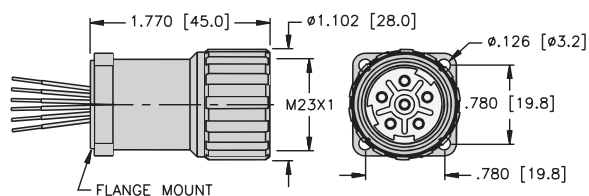
CKFL (CSFL) ..



M23 Powerfast 3-Key Receptacle Dimensions

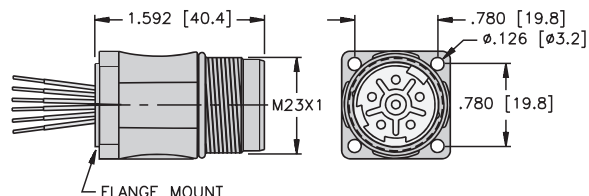
12

CKFMF..



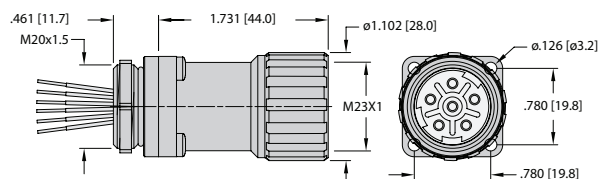
13

CSFF..



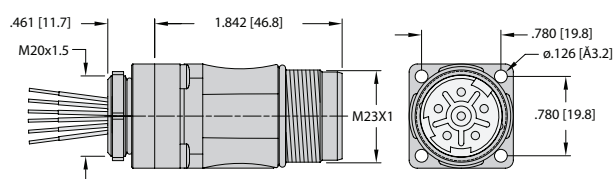
14

CKFMF...../M20



15

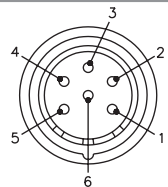
CSFF.../M20



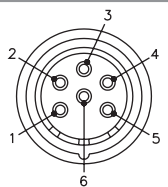
M23 Powerfast Single Keyway Cordset and Receptacle Pinouts

6-Pin

Female



Male

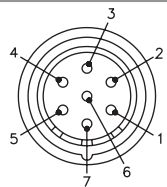


Pinouts

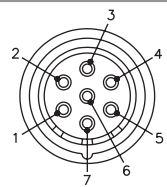
1. WH
2. RD
3. GN
4. OG
5. BK
6. BU

7-Pin

Female



Male

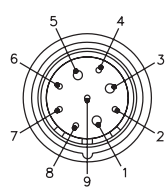


Pinouts

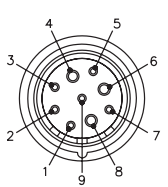
1. WH/BK
2. BK
3. WH
4. RD
5. OG
6. BU
7. GN

9-Pin

Female



Male



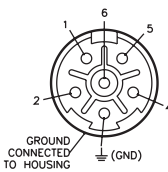
Pinouts

1. RD
2. WH
3. WH/BK
4. BU
5. OG
6. BK
7. GN/BK
8. GN
9. RD/BK

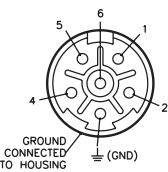
M23 Powerfast 3-Key Cordset and Receptacle Pinouts

6-Pin, 3-Key

Female



Male

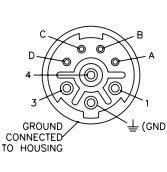


Pinouts

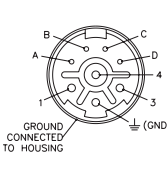
1. BU
2. RD
3. GN
4. BN
5. OG
6. YE

8-Pin, 3-Key

Female



Male



Pinouts

1. BU
2. GN
3. WH
4. BK
- A. OG
- B. RD
- C. WH/BK
- D. RD/BK

Part Number Keys	J50
Cordset and Receptacle Specifications	J51
Cordset and Receptacle Selection Matrix	J51
Cordset and Receptacle Dimensions	J52
Cordset and Receptacle Pinouts	J52
h-Style Tee, Jumper Plug and Extension Specifications	J53
h-Style Tee, Jumper Plug and Extension Matrix	J54
h-Style Tee, Jumper Plug and Extension Dimensions	J55
h-Style Tee, Jumper Plug and Extension Pinouts	J55

Features

- Options for combination of power & signal wires in one cable
- 8 AWG conductors for power
- 14 AWG and 18 AWG conductor options for signal
- Up to 35 Amp, 250 and 600 volt rated

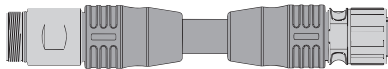


M40 Powerfast Cordset Part Number Key

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

M40 Powerfast Cordset				4 8 0 0				1279				* /S..	
Gender				Number of Power Wires				Color Codes / Cable Type				Varieties	
K = female connector, female threads				4 = 4 wires connected to power pins				1279 = WH, BK, RD, GN, TC-ER TPE Black				/S... = consult factory	
S = male connector, male threads				3 = 3 wires connected to power pins				1313 = WH, BK, RD, GN, TC-ER TPE Yellow				/CS... = consult factory	
M = molded connector								1314 = WH, BK, RD, GN, BK, WH, BN, BU, TC-ER TPE Black				Length in Meters	
(blank) = assembled connector								1884 = BK"V", BK"U", BK"W". BU/YE"+", BU/YE"-", GN/YE, TC-ER/STOOW, PVC Black					
Shielding								Gauge of Control Wires					
S = shield tied to coupling nut								0 = no connection or 20 AWG wire to control wins					
Housing Material								4 = 14 AWG Wire to control pins					
(blank) = nickel plated brass								6 = 16 AWG wire to control pins					
Insertion Point for Second Connector*								8 = 18 AWG wire to control pins					
* Male connector listed first, female connector second								Color Codes / Cable Type					
Example: HSM HKM 4800-1279-5								0 = no connection to control pins					
								2 = 2 control pins connected					
								4 = 4 control pins connected					
								Color Codes / Cable Type					
								8 = 8 AWG wire to power pins					
								0 = 10 AWG wire to power pins					

Extension Examples



H S M H K M 4 8 0 0 - 1279 - * /S..

M23 Powerfast Receptacle Part Number Key

M40 Powerfast Receptacle				4 8 0 0				* /S..			
Gender				Number of Power Wires				Varieties			
K = female connector, female threads				4 = 4 wires connected to power pins				/S... = consult factory			
S = male connector, male threads				3 = 3 wires connected to power pins				/CS... = consult factory			
Designator for Receptacles								Length in Meters			
F = flange											
MF = flange, rotating coupling nut											
Mounting Style								Gauge of Control Wires			
								0 = no connection or 20 AWG wire to control pins			
								4 = 14 AWG wire to control pins			
								6 = 16 AWG wire to control pins			
								8 = 18 AWG wire to control pins			
Number of Power Wires								Number of Control Wires			
4 = 4 wires connected to power pins								0 = no connection to control pins			
3 = 3 wires connected to power pins								2 = 2 control pins connected			
								4 = 4 control pins connected			
								Gauge of Power Wires			
								8 = 8 AWG wire to power pins			
								0 = 10 AWG wire to power pins			

M40 Powerfast Cordset Specifications

Mechanical

Mold material/color:	Polyamide/Black
Contact carrier material:	Nylon
Coupling nut material	Nickel plated brass
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/color:	TC-ER PVC
Ratings:	
Power:	35 Amps, 600 VAC
Signal:	4-9 Amps, 250 VAC



M40 Powerfast Receptacle Specifications

Mechanical

Contact carrier material:	Nylon
Housing material/plating:	Nickel plated brass
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +105 °C (-40 °F to +221 °F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	
Power:	35 Amps, 600 VAC
Signal:	4-9 Amps, 250 VAC

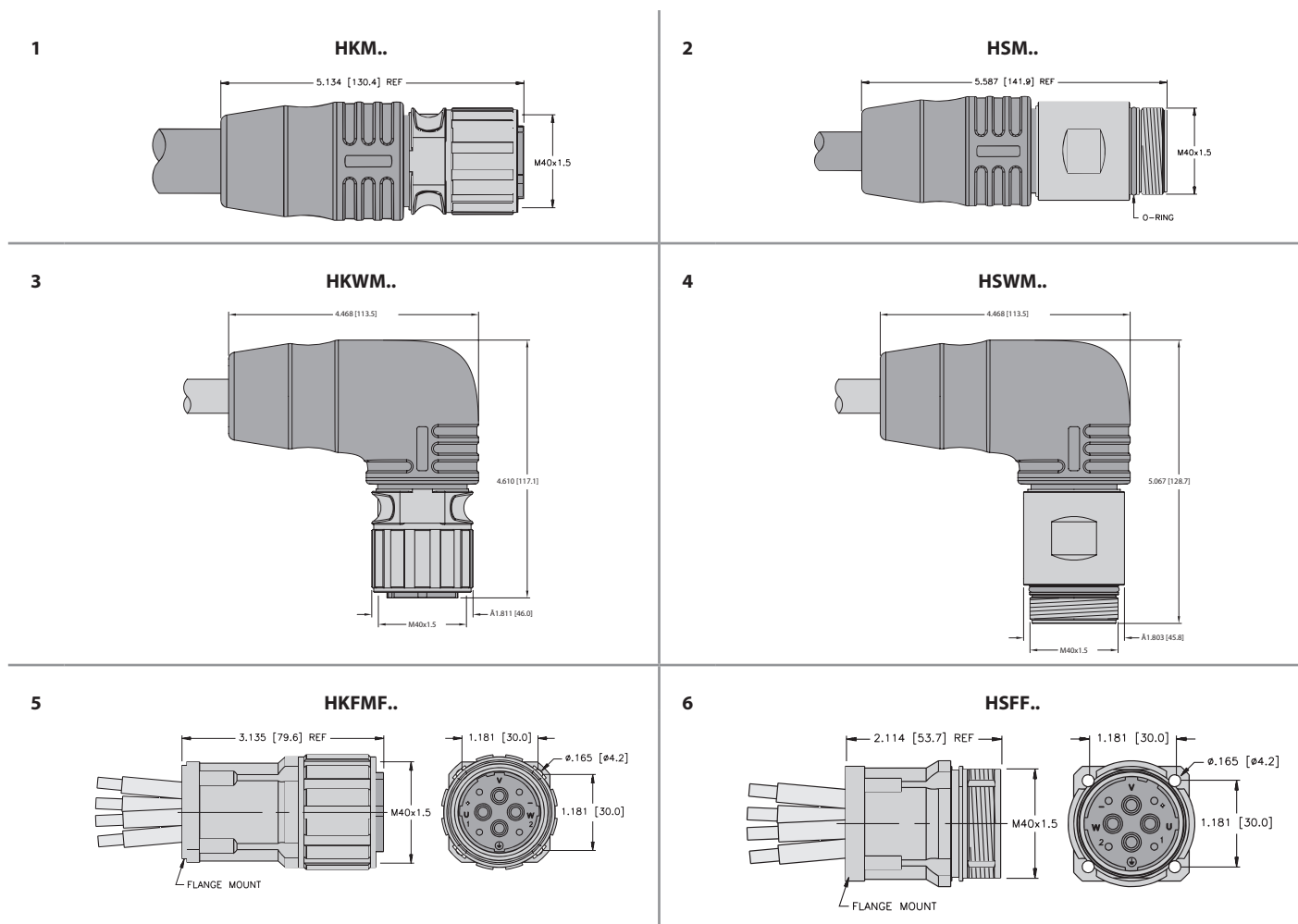


M40 Powerfast Cordset Selection Matrix

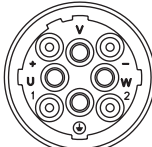
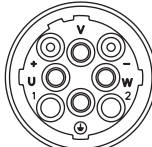
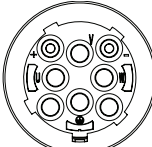
Front Mount			1 	2 	3 	4 
Pins	AWG	Current Rating	Straight Female	Straight Male	Right Angle Female	Right Angle Male
4	8	35 Amps	HKM 4800-1279-*	HSM 4800-1279-*	HKWM 4800-1279-*	HSWM 4800-1279-*
6	4x8; 2x14	35 Amps (8 AWG), 9 Amps (14 AWG)	HKM 4824-1884-*	HSM 4824-1884-*	HKWM 4824-1884-*	HSWM 4824-1884-*
8	4x8; 4x18	35 Amps (8 AWG), 4 Amps (18 AWG)	HKM 4848-1314-*	HSM 4848-1314-*	HKWM 4848-1314-*	HSWM 4848-1314-*

M40 Powerfast Receptacle Selection Matrix

Front Mount			5 	6 
Pins	AWG	Current Rating	Female	Male
			Flange Mount	Flange Mount
4	8	35 Amps	HKFMF 4800-*	HSFF 4800-*
6	4x8; 2x14	35 Amps (8 AWG), 9 Amps (14 AWG)	HKFMF 4824-*	HSFF 4824-*
8	4x8; 4x18	35 Amps (8 AWG), 4 Amps (18 AWG)	HKFMF 4848-*	HSFF 4848-*



M40 Powerfast Cordset and Receptacle Pinouts

4-Pin		Pinouts	6-Pin		Pinouts
Female	Male	V. WH U. BK W. RD ±. GN +. N/C -. N/C 1. N/C 2. N/C	Female	Male	V. Black V U. Black U W. Black W ±. GN/YE +. BU/YE "+" -. BU/YE "-"
					

M40 Powerfast h-Style Tee Specifications

Mechanical	
Mold material/color:	Polyamide/Black
Contact carrier material:	Nylon
Coupling nut material	Nickel plated brass
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical	
Contact material:	Brass or copper with gold plating
Ratings:	Power: 35 Amps, 600 VAC
	Signal: 9 Amps, 250 VAC
	

M40 Powerfast Jumper Plug Specifications

Mechanical	
Mold material/color:	Polyamide/Black
Contact carrier material:	Nylon
Coupling nut material	Nickel plated brass
Environmental protection:	IEC IP67
Temperature rating:	-40 °C to +90 °C (-40 °F to +194 °F)

Electrical	
Contact material:	Brass or copper with gold plating
Ratings:	Power: 35 Amps, 600 VAC
	Signal: 9 Amps, 250 VAC
	

M40 Powerfast to Harting Connector Specifications

Mechanical	
Mold material/color:	
M40 connector:	Polyamide/Black
Hood material/color:	
Harting connector:	Zinc die-cast/Black (Harting)
Contact carrier material:	
M40 connector:	Nylon
Harting connector:	Polycarbonate
Coupling nut material:	
M40 connector:	Nickel plated brass
Environmental protection:	
M40 connector:	IEC IP67
Harting connector:	IEC IP65
Temperature rating:	
-40 °C to +90 °C (-40 °F to +194 °F)	

Electrical	
Contact material:	
M40 connector:	Brass or copper with gold plating
Harting connector:	Copper alloy with gold over silver plating
Cable jacket material:	
Standard:	TC-ER STOOW PVC
Additional options:	TC-ER PVC (/S4000 version)
Ratings:	
20 Amps, 600 VAC	

We reserve the right to make technical alterations without prior notice.

M40 powerfast

M40 Powerfast h-Style Tee Selection Matrix

7



Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	Integral M40 Connector Drop
6	4x8; 2x14	35 Amps (8 AWG), 6 Amps (14 AWG)	35 Amps (8 AWG), 9 Amps (14 AWG)	SH-HSM/2 HKM 4824

M40 Powerfast Jumper Plug Selection Matrix

8



Pins	AWG	Current Rating	Male
6	4x8; 2x14	35 Amps (8 AWG), 9 Amps (14 AWG)	HSM 4824/J+ -

M40 Powerfast to Harting Connector Selection Matrix

9



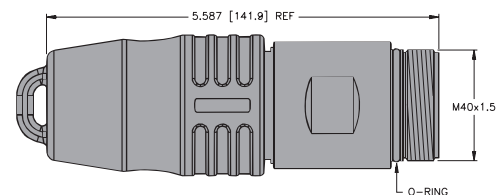
Pins	AWG	Current Rating	TC-ER	TC-ER STOOW
6	4x8; 2x14	20 Amps (12 AWG), 9 Amps (14 AWG)	HSM 40 HANQW4/2-1850-*/S4000	HSM 40 HANQW4/2-1668-*

We reserve the right to make technical alterations without prior notice.

7

[illegible]

HSM-J..

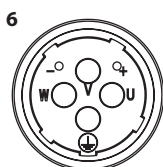


9

Technical drawing of the 1000 Series Hydraulic Hose Assembly, showing a side view and a front view. The side view shows a 1000 Series Hydraulic Hose (1000-0000) connected to a 1000 Series Hydraulic Hose (1000-0000). The front view shows the 1000 Series Hydraulic Hose (1000-0000) with dimensions: 2.791 [70.9] REF, 1.965 [49.8], 5.587 [141.9] REF, and M40x1.5. The O-RING is also indicated.

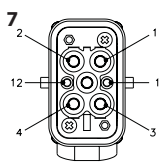
M40 powerfast

Male



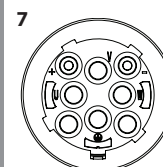
V. N/C
U. N/C
W. N/C
±. N/C
+. Jumper to "-"
-. Jumper to "+"

Male



1. RD
2. WH
3. BK
- ±. GN
4. N/C
11. N/C
12. N/C

Female



U. RD
V. WH
W. BK
±. GN
+. Jumper to “-”
-. Jumper to “+”

