

Part Number Keys	C2
Cordsets	C4
Receptacles	C16
Field Wireables	C24
Inserts	C29
Closure Caps	C32

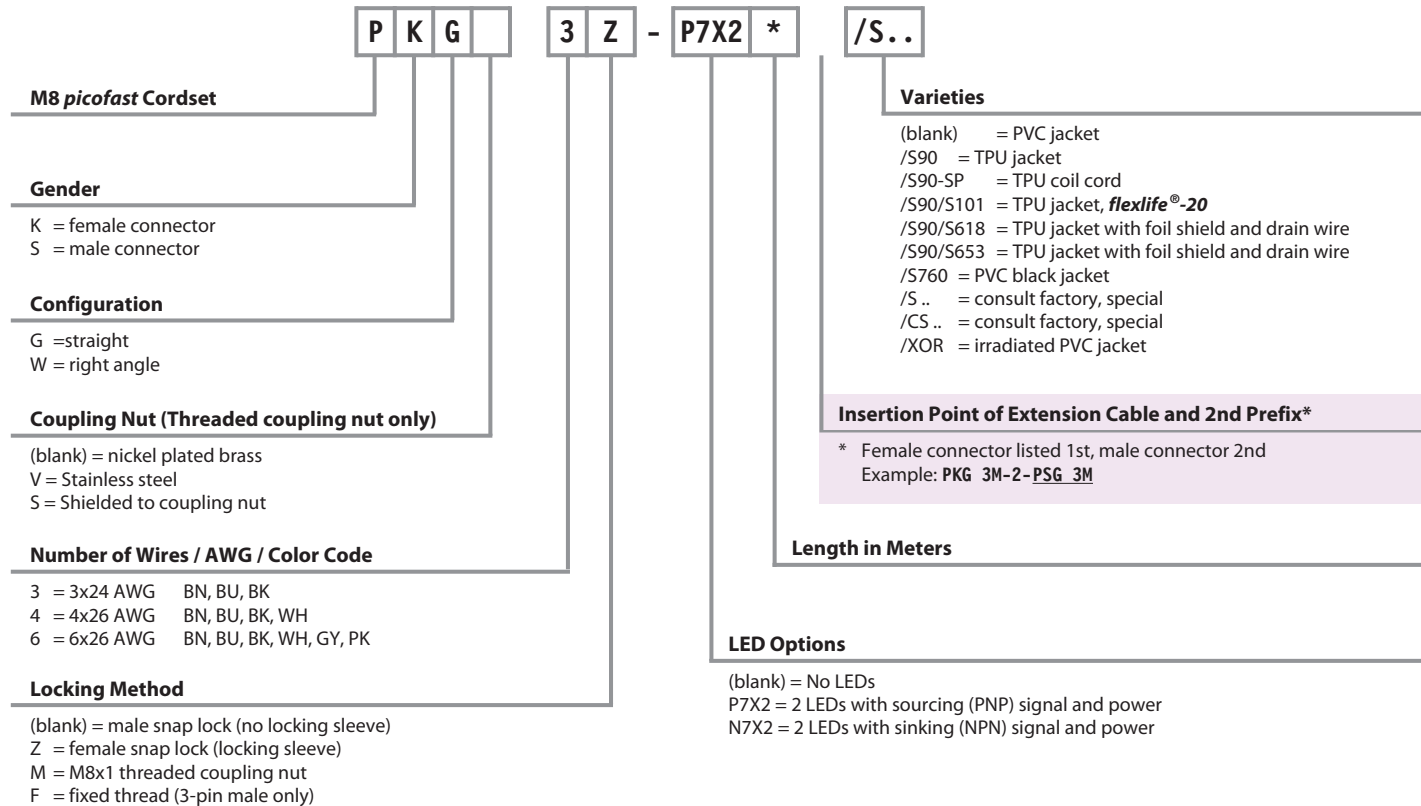
Features

- 3, 4 and 6 pins
- Threaded or snap mating
- Nickel-brass or stainless steel materials
- Straight and angled connectors
- LED options
- Receptacles with leads or PCB pins



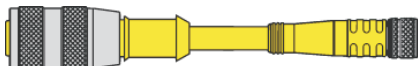
Cordset Part Number Key

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

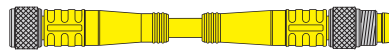


Extension Examples:

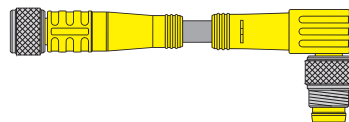
Hybrid connector extensions also available. Consult factory.



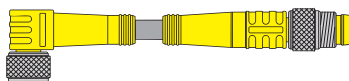
R K 4.4 T - 2 - P K G 4 M



P K G 3 M - 2 - P S G 3 M



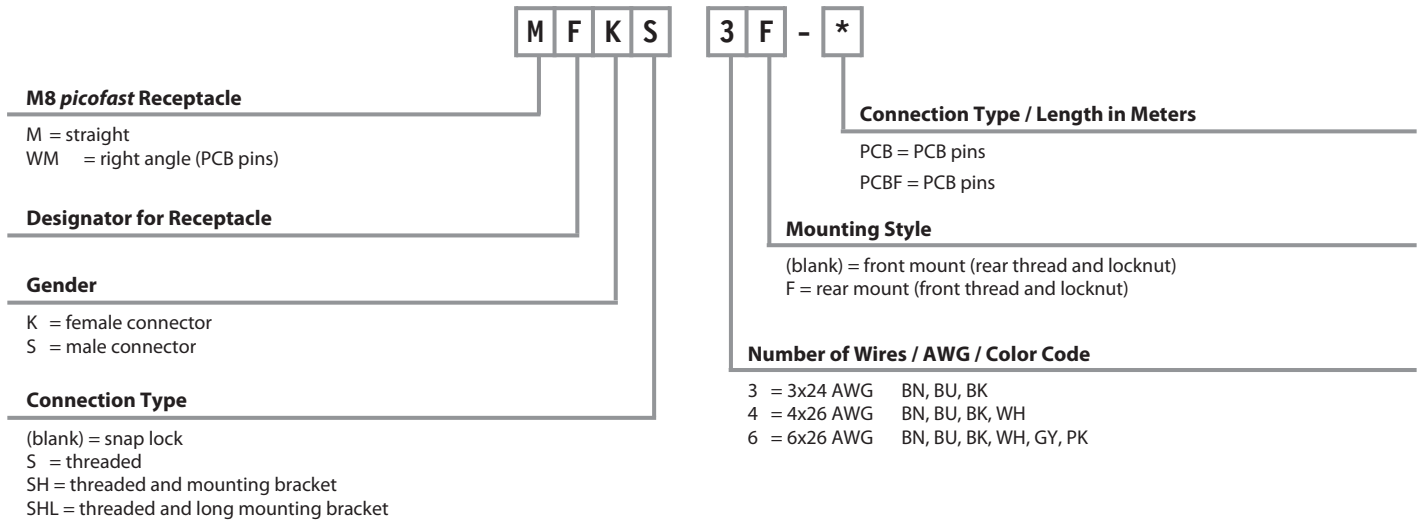
P K G 3 M - 2 - P S W 3 M



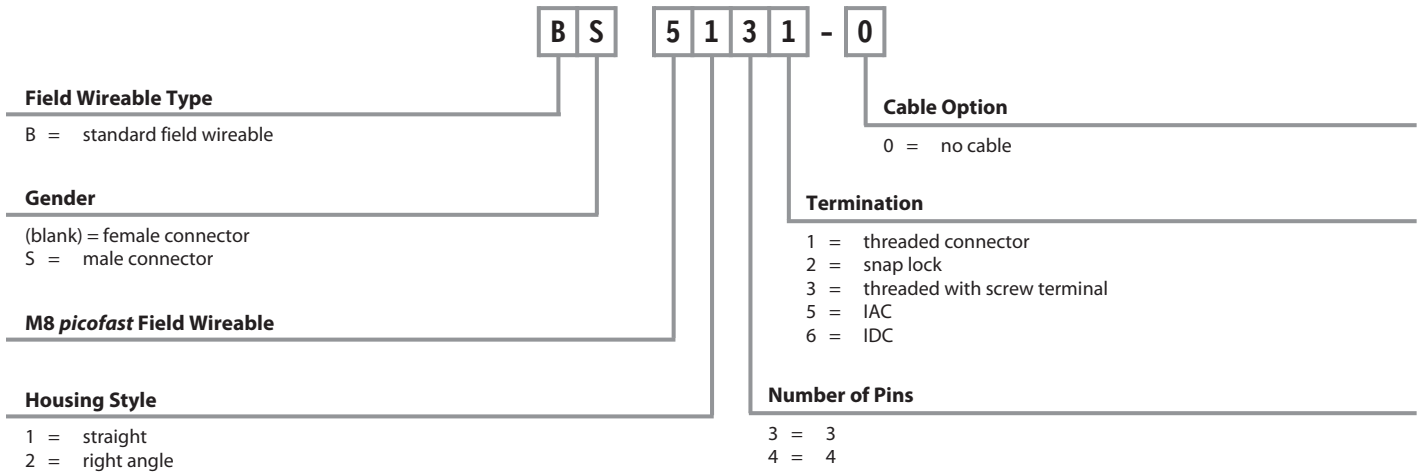
P K W 3 M - 2 - P S G 3 M

Receptacle Part Number Key

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



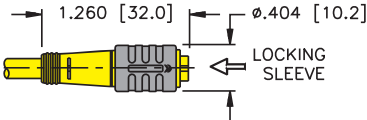
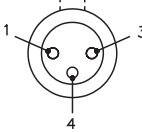
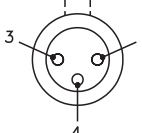
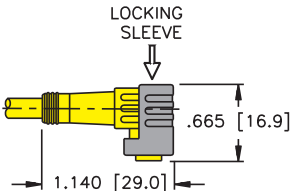
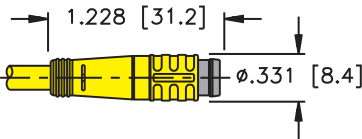
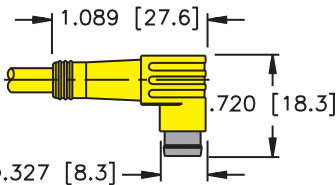
Field Wireable Part Number Key



3-Wire Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout	
PKG ..Z** 	PKG 3Z-* PKW 3Z-*	PSG 3-* PSW 3-*	AWM, PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M [†] , <i>flexlife</i> ®	Female  1. BN 3. BU 4. BK Male 	
PKG 3Z-*/S90 PKW 3Z-*/S90	PSG 3-*/S90 PSW 3-*/S90	AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M [†] , Cut/Abrasion Immune			
PKG 3Z-*/S90/S101 PKW 3Z-*/S90/S101 	PSG 3-*/S90/S101 PSW 3-*/S90/S101	AWM, TPU Black, 3x24 AWG, 90°C, 4.5 mm OD, Cable #RF51166-*M [†] , Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - Over 20 Million Cycles			
PKG 3Z-*/S90/S618 PKW 3Z-*/S90/S618 	PSG 3-*/S90/S618 PSW 3-*/S90/S618	AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M [†] , Cut/Abrasion Immune, EMI/RFI Protection			
PKG 3Z-*/X0R PKW 3Z-*/X0R 	PSG 3-*/X0R PSW 3-*/X0R	PVC Orange, 3x24 AWG, 80°C, 250°C short term, 4.4 mm OD, Cable #RF04449-*M [†] , Weld Flash Immune, High Temp. Immune			
PKG 3Z-*/S760 PKW 3Z-*/S760	PSG 3-*/S760 PSW 3-*/S760	AWM, PVC Black, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50585-M [†] , <i>flexlife</i>			

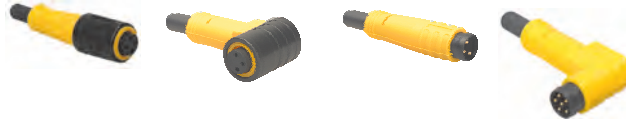
* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

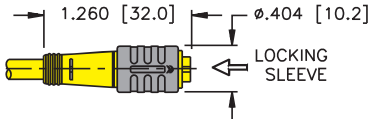
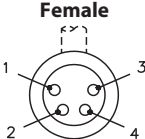
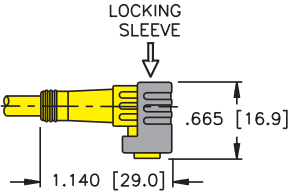
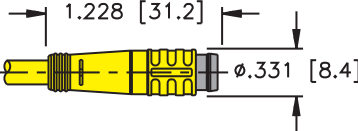
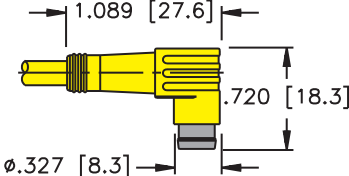
** Locking sleeve material is POM.. "PKG..Z".

† See Section N for **reelfast**® cable information.

4-Wire Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout	
PKG ..Z** 	PKG 4Z-* PKW 4Z-*	PSG 4-* PSW 4-*	AWM, PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, flexlife®	1. BN 2. WH 3. BU 4. BK	
PKW ..Z** 	PKG 4Z-*/S90 PKW 4Z-*/S90	PSG 4-*/S90 PSW 4-*/S90	AWM, TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, Cut/Abrasion Immune		
	PKG 4Z-*/S90/S101 PKW 4Z-*/S90/S101	PSG 4-*/S90/S101 PSW 4-*/S90/S101	AWM, TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, Cut/Abrasion Immune, flexlife-20, High Flex - Over 20 Million Cycles		
PSG .. 	PKG 4Z-*/S90/S618 PKW 4Z-*/S90/S618	PSG 4-*/S90/S618 PSW 4-*/S90/S618	AWM, TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M†, Cut/Abrasion Immune, EMI/RFI Protection		
	PKG 4Z-*/S760 PKW 4Z-*/S760	PSG 4-*/S760 PSW 4-*/S760	AWM, PVC Black, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50870-*M†, flexlife		
PSW .. 	PKG 4Z-*/S90/S653 PKW 4Z-*/S90/S653	PSG 4-*/S90/S653 PSW 4-*/S90/S653	AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, Cut/Abrasion Immune, EMI/RFI Protection		

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Locking sleeve material is POM.. "PKG..Z".

† See Section N for **reelfast**® cable information.

6-Wire Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKG ..Z** 	PKG 6Z-* PKW 6Z-*	PSG 6-* PSW 6-*	AWM, PVC Yellow, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF50734-*M†, <i>flexlife</i> ®	Female Male 1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
PKW ..Z** 	PKG 6Z-*/S90 PKW 6Z-*/S90	PSG 6-*/S90 PSW 6-*/S90	AWM, TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF50735-*M†, <i>flexlife</i> ® Cut/Abrasion Immune	
PSG .. 	PKG 6Z-*/S90/S618 PKW 6Z-*/S90/S618	PSG 6-*/S90/S618 PSW 6-*/S90/S618	AWM, TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF51144-M†, <i>flexlife</i> ® Cut/Abrasion Immune EMI/RFI Protection	
PSW .. 	PKG 6Z-*/S760 PKW 6Z-*/S760	PSG 6-*/S760 PSW 6-*/S760	AWM, PVC Black, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF51083-*M†, <i>flexlife</i> ®	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Locking sleeve material is POM.. "PKG..Z".

† See Section N for **reelfast**® cable information.

3-Wire Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKG ..M** PKW ..M** PSG ..M** PSW ..M** PSG 3F ..**	PKG 3M-* PKW 3M-*	PSG 3M-* PSW 3M-*	AWM, PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, flexlife®	Female 1. BN 3. BU 4. BK
	PKG 3M-*/S90 PKW 3M-*/S90	PSG 3M-*/S90 PSW 3M-*/S90	AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, Cut/Abrasion Immune	
	PKG 3M-*/S90/S101 PKW 3M-*/S90/S101	PSG 3M-*/S90/S101 PSW 3M-*/S90/S101	AWM, TPU Black, 3x24 AWG, 90°C, 4.5 mm OD, Cable #RF51166-*M†, Cut/Abrasion Immune, flexlife-20, High Flex - Over 20 Million Cycles	
	PKG 3M-*/S90/S618 PKW 3M-*/S90/S618	PSG 3M-*/S90/S618 PSW 3M-*/S90/S618	AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, Cut/Abrasion Immune, EMI/RFI Protection	
	PKG 3M-*/S1587 PKW 3M-*/S1587	PSG 3M-*/S1587 PSW 3M-*/S1587	AWM, TPE Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF51271-*M†, weldlife®, Weld Flash Immune	
	PKG 3M-*/S760 PKW 3M-*/S760	PSG 3M-*/S760 PSW 3M-*/S760	AWM, PVC Black, 3x24 AWG, 4.4 mm OD, Cable #RF50585-M†, flexlife	
	PKG 3M-*/S90/S1084 PKW 3M-*/S90/S1084	PSG 3M-*/S90/S1084 PSW 3M-*/S90/S1084	AWM, TPU Black, 2x24 AWG, 90°C, 4.4 mm OD, Cable #RF51197-*M†, Cut/Abrasion Immune, Shielded	Male 1. BN 3. BU 4. Drain
	PKG 3M-*/XOR PKW 3M-*/XOR	PSG 3M-*/XOR PSW 3M-*/XOR	PVC, Orange, 3x24 AWG, 80°C, 250°C short term, 4.4 mm OD, Cable #RF04449-*M†, Weld Flash Immune, High Temp. Immune	
		PSG 3F-*	AWM, PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, Fixed coupling nut	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Standard coupling material is nickel plated brass.. "PKG..M"; "PKG..M" indicates stainless steel.

† See Section N for **reelfast**® cable information.

4-Wire Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKG ..M** 	PKG 4M-* PKW 4M-*	PSG 4M-* PSW 4M-*	AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, flexlife*	Female 1. BN 2. WH 3. BU 4. BK
PKW ..M** 	PKG 4M-*/S90 PKW 4M-*/S90	PSG 4M-*/S90 PSW 4M-*/S90	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, Cut/Abrasion Immune	
PSG ..M** 	PKG 4M-*/S90/S101 PKW 4M-*/S90/S101	PSG 4M-*/S90/S101 PSW 4M-*/S90/S101	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, Cut/Abrasion Immune, flexlife-20, High Flex - Over 20 Million Cycles	
PSW ..M** 	PKG 4M-*/S760 PKW 4M-*/S760	PSG 4M-*/S760 PSW 4M-*/S760	AWM PVC Black, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50870-*M†, flexlife	Male 1. BN 2. Drain 3. BU 4. BK
	PKG 4M-*/S90/S618 PKW 4M-*/S90/S618	PSG 4M-*/S90/S618 PSW 4M-*/S90/S618	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M†, Cut/Abrasion Immune, EMI/RFI Protection	
	PKG 4M-*/S90/S653 PKW 4M-*/S90/S653	PSG 4M-*/S90/S653 PSW 4M-*/S90/S653	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, Cut/Abrasion Immune, EMI/RFI Protection	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Standard coupling material is nickel plated brass.. "PKG..M"; "PKG..M" indicates stainless steel.

† See Section N for **reelfast** cable information.

6-Wire Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKG ..M**	PKG 6M-* PKW 6M-*	PSG 6M-* PSW 6M-*	AWM PVC Yellow, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF50734-*M†, flexlife*	Female Male 1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
PKW ..M**	PKG 6M-*/S90 PKW 6M-*/S90	PSG 6M-*/S90 PSW 6M-*/S90	AWM TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF50735-*M†, Cut/Abrasion Immune	
PSG ..M**	PKG 6M-*/S760 PKW 6M-*/S760	PSG 6M-*/S760 PSW 6M-*/S760	AWM PVC Black, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF51083-*M†, flexlife	
PSW ..M**	PKG 6M-*/S90/S618 PKW 6M-*/S90/S618	PSG 6M-*/S90/S618 PSW 6M-*/S90/S618	AWM TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF51144-*M†, Cut/Abrasion Immune EMI/RFI Protection	

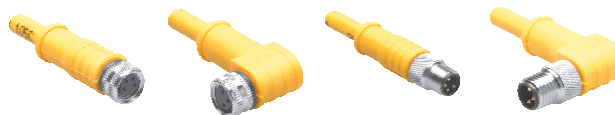
* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Standard coupling material is nickel plated brass.. "PKG..M"; "PKG..M" indicates stainless steel.

† See Section N for **reelfast**® cable information.

3 and 4-Wire Cordsets, Threaded Coupling Nut, Shielded

- Shield to Coupling Nut
- IEC IP67 Protection
- 125 V, 4 A (3-pin), 2A (4-pin)



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKGS ..M** PKWS ..M**	PKGS 3M-* PKWS 3M-*	PSGS 3M-* PSWS 3M-*	AWM, PVC Yellow, 3x24 AWG, 105°C, 5.1 mm OD, Cable #RF51422-*M†, RFI/EMI Shielding Tied to Coupling Nut	1. BN 3. BU 4. BK Female Male
PKGS 4M-*/S90 PKWS 4M-*/S90	PKGS 4M-* PKWS 4M-*	PSGS 4M-* PSWS 4M-*	AWM, TPU Black, 3x24 AWG, 90°C, 5.1 mm OD, Cable #RF51423-*M†, RFI/EMI Shielding Tied to Coupling Nut	1. BN 2. WH 3. BU 4. BK Female Male
PSGS ..M** PSWS ..M**	PKGS 4M-*/S90 PKWS 4M-*/S90	PSGS 4M-*/S90 PSWS 4M-*/S90	AWM, TPU Black, 4x26 AWG, 90°C, 5.1 mm OD, Cable #RF51425-*M†, RFI/EMI Shielding Tied to Coupling Nut	1. BN 2. WH 3. BU 4. BK Female Male

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

** Standard coupling material is nickel plated brass.

† See Section N for **reelfast®** cable information.

3 and 4-Wire Cordsets, with LEDs, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Features	Pinout
PKW ..Z** YELLOW (OUTPUT) GREEN (POWER) LOCKING SLEEVE 1.140 [29.0] .665 [16.9]	PKW 3Z-P7X2-*	AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, PNP Signal, <i>flexlife</i> ®	Female 1. BN 3. BU 4. BK
	PKW 3Z-P7X2-*/S90	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, PNP Signal, Cut/Abrasion Immune	
	PKW 3Z-P7X2-*/S90/S618	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, PNP Signal, Cut/Abrasion Immune, EMI/RFI Protection	
	PKW 3Z-P7X2-*/S90/S101	AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166-*M†, PNP Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles	
	PKW 3Z-N7X2-*	AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, NPN Signal, <i>flexlife</i>	
	PKW 3Z-N7X2-*/S90	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, NPN Signal, Cut/Abrasion Immune	
	PKW 3Z-N7X2-*/S90/S618	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, NPN Signal, Cut/Abrasion Immune, EMI/RFI Protection	
	PKW 3Z-N7X2-*/S90/S101	AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166-*M†, NPN Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles	
	PKW 4Z-P7X2-*	AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, PNP Signal, <i>flexlife</i> ®	Female 1. BN 2. WH 3. BU 4. BK
	PKW 4Z-P7X2-*/S90	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, PNP Signal, Cut/Abrasion Immune	
	PKW 4Z-P7X2-*/S90/S101	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, PNP Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - Over 20 Million Cycles	
	PKW 4Z-N7X2-*	AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, NPN Signal, <i>flexlife</i>	
	PKW 4Z-N7X2-*/S90	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, NPN Signal, Cut/Abrasion Immune	
	PKW 4Z-N7X2-*/S90/S101	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, NPN Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - Over 20 Million Cycles	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Locking sleeve material is POM.."PKW..Z".

† See Section N for *reelfast*® cable information.

3-Wire Cordsets, with LEDs, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKW ..M** YELLOW (OUTPUT) GREEN (POWER) 1.114 [28.3] 0.650 [16.5] 0.378 [9.6] M8x1 PSW ..M** YELLOW (OUTPUT) GREEN (POWER) 1.100 [27.9] 0.906 [23.0] 0.374 [9.5] M8x1	PKW 3M-P7X2-*	PSW 3M-P7X2-*	AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, PNP Signal, <i>flexlife</i> ®	Female 1. BN 3. BU 4. BK
	PKW 3M-P7X2-*/S90	PSW 3M-P7X2-*/S90	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, PNP Signal, Cut/Abrasion Immune	
	PKW 3M-P7X2-*/S90/S101	PSW 3M-P7X2-*/S90/S101	AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166-*M†, PNP Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles	
	PKW 3M-N7X2-*/S90/S618		AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, PNP Signal, Cut/Abrasion Immune, EMI/RFI Protection	
	PKW 3M-N7X2-*		AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, NPN Signal, <i>flexlife</i>	
	PKW 3M-N7X2-*/S90		AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, NPN Signal, Cut/Abrasion Immune	
	PKW 3M-N7X2-*/S90/S101		AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166-*M†, NPN Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles	
	PKW 3M-N7X2-*/S90/S618		AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, NPN Signal, Cut/Abrasion Immune, EMI/RFI Protection	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Standard coupling material is nickel plated brass.

† See Section N for **reelfast**® cable information.

4-Wire Cordsets, with LEDs, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Features	Pinout
	PKW 4M-P7X2-*	AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M [†] , PNP Signal, <i>flexlife</i> [*]	1. BN 2. WH 3. BU 4. BK
	PKW 4M-P7X2-*/S90	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M [†] , PNP Signal, Cut/Abrasion Immune	
	PKW 4M-P7X2-*/S90/S101	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M [†] , PNP Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles	
	PKW 4M-P7X2-*/S90/S618	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M [†] , PNP Signal, Cut/Abrasion Immune, EMI/RFI Protection	
	PKW 4M-N7X2-*	AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M [†] , NPN Signal, <i>flexlife</i>	
	PKW 4M-N7X2-*/S90	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M [†] , NPN Signal, Cut/Abrasion Immune	
	PKW 4M-N7X2-*/S90/S101	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M [†] , NPN Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles	
	PKW 4M-N7X2-*/S90/S618	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M [†] , NPN Signal, Cut/Abrasion Immune, EMI/RFI Protection	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Standard coupling material is nickel plated brass.

[†] See Section N for **reelfast**[®] cable information.

3 and 4-Wire Spiral Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 VAC/VDC, 4 A and 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKG ..Z** PKW ..Z**	PKG 3Z-3/S90-SP PKW 3Z-3/S90-SP	PSG 3-3/S90-SP PSW 3-3/S90-SP	AWM TPU Black, 4x26 AWG, 80°C, 125 VAC/VDC, 4 A, 4.0 mm OD, for repetitive motion 3-wire applications, snap lock coupling nut	Female Male
PSG .. PSW ..	PKG 4Z-3/S90-SP PKW 4Z-3/S90-SP	PSG 4-3/S90-SP PSW 4-3/S90-SP	AWM TPU Black, 4x26 AWG, 80°C, 125 VAC/VDC, 2 A, 4.0 mm OD, for repetitive motion 4-wire applications, snap lock coupling nut	Female Male

* Length in meters. Standard cable length is 3 meters. Consult factory for other lengths.

** Locking sleeve material is POM.."PKG(W)..Z".

3 and 4-Wire Spiral Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 VAC/VDC, 4 A and 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
PKG ..M**	PKG 3M-3/S90-SP PKW 3M-3/S90-SP	PSG 3M-3/S90-SP PSW 3M-3/S90-SP	AWM TPU Black, 4x26 AWG, 80° C, 125 VAC/VDC, 4 A, 4.0 mm OD, for repetitive motion 3-wire applications, threaded coupling nut	Female Male
PKW ..M**				
PSG ..M**	PKG 4M-3/S90-SP PKW 4M-3/S90-SP	PSG 4M-3/S90-SP PSW 4M-3/S90-SP	AWM TPU Black, 4x26 AWG, 80° C, 125 VAC/VDC, 2 A, 4.0 mm OD, for repetitive motion 4-wire applications, threaded coupling nut	Female Male
PSW ..M**				

Cordsets

- * Length in meters. Standard cable length is 3 meters. Consult factory for other lengths.
 ** Standard coupling material is nickel plated brass.. "PKG(W)..M"; "PKG(V)..M" indicates 316 stainless steel.

Mounting Style	Image	Panel Thread Types	Page
Front Mount		<u>M8</u>	<u>C17</u>
Rear Mount		<u>M8</u>	<u>C18</u>
		<u>7/16-20 with Solder Cups</u>	<u>C22</u>
PCB Mount		<u>M12 with PCB Pins</u>	<u>C19</u>
		<u>7/16-20 with Header Pins</u>	<u>C19</u>
		<u>M8 with Header Pins</u>	<u>C20</u>

3, 4 and 6-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
MFKS 3-* Typical panel cutout is 8.2 mm.	MFKS 3-*	MFS 3-*	3x24 AWG, 105°C, 125 V, 4 A, mates with 3-pin snap lock female cordsets	Female Male
MFKS 4-* Typical panel cutout is 8.2 mm.	MFKS 4-*	MFS 4-*	4x24 AWG, 105°C, 125 V, 4 A, mates with 4-pin snap lock female cordsets	Female Male
MFKS 6-* Typical panel cutout is 8.2 mm.	MFKS 6-*	MFS 6-*	6x24 AWG, 105°C, 125 V, 2 A, mates with 6-pin snap lock female cordsets	Female Male

* Length in meters. Standard lead length is 0.2 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass. "MFS(S).."; "MFS(S)V.." indicates stainless steel.

3, 4 and 6-Wire Receptacles, Rear Mount

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Male Part Number	Features	Pinout
MFS ..F.. Typical panel cutout is 8.2 mm. MFSS .. Typical panel cutout is 8.2 x 7.1 mm.	MFS 3F-*	3x24 AWG, 105°C, 125 V, 4 A, mates with 3-pin snap lock or threaded female cordsets, rear mount	1. BN 3. BU 4. BK
	MFS 4F-*	4x24 AWG, 105°C, 125 V, 4 A, mates with 4-pin snap lock or threaded female cordsets, rear mount	1. BN 2. WH 3. BU 4. BK
	MFS 6F-*	6x24 AWG, 105°C, 125 V, 2 A, mates with 6-pin snap lock or threaded female cordsets, rear mount	1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
	MFSS 3-*	3x24 AWG, 105°C, 125 V, 4 A, mates with 3-pin snap lock or threaded female cordsets, front mount	1. BN 3. BU 4. BK
	MFSS 4-*	4x24 AWG, 105°C, 125 V, 4 A, mates with 4-pin snap lock or threaded female cordsets, front mount	1. BN 2. WH 3. BU 4. BK
	MFSS 6-*	6x24 AWG, 105°C, 125 V, 2 A, mates with 6-pin snap lock or threaded female cordsets, front mount	1. BN 2. WH 3. BU 4. BK 5. GY 6. PK

Rear Mount

* Length in meters. Standard lead length is 0.2 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass .. "MFS(S).."; "MFS(S)V.." indicates stainless steel.

3, 4 and 6-Wire Receptacles with PCB Pins

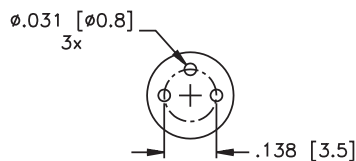
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



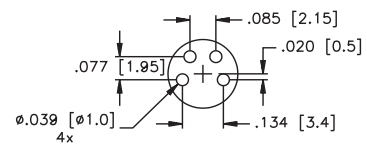
Housing Style	Female Part Number	Features	Pinout
MFKS .. F-PCBF WMFK .. F-PCBF	MFKS 3F-PCBF	PCB Pins, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets	Female
	MFKS 4F-PCBF	PCB Pins, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets	Female
	WMFK 3F-PCB	PCB Pins, 80°C, 60 VAC/75 VDC, 4 A, mates with 3-pin threaded male cordsets	Female
	WMFK 4F-PCB	PCB Pins, 80°C, 30 VAC/36 VDC, 4 A, mates with 4-pin threaded male cordsets	Female
	WMFK 6F-PCB	PCB Pins, 80°C, 24 VDC, 1 A, mates with 6-pin threaded male cordsets	Female

Standard housing material is nickel plated brass.

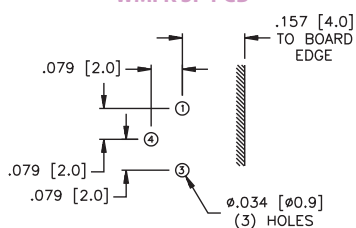
MFKS 3F-PCBF



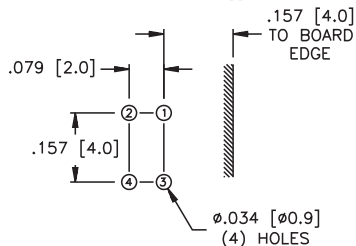
MFKS 4F-PCBF



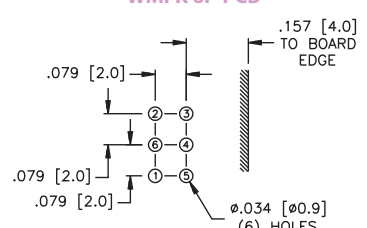
WMFK 3F-PCB



WMFK 4F-PCB



WMFK 6F-PCB



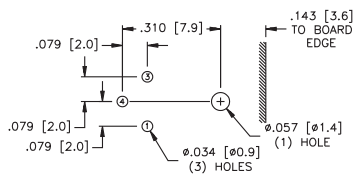
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



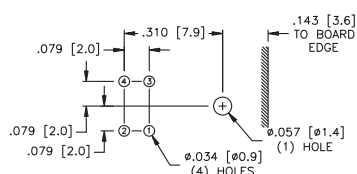
Housing Style	Male Part Number	Features	Pinout
WMFS..PCB WMFS..F-PCB	WMFS 3-PCB	PCB Pins, 80°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin snap lock or threaded female cordsets	Male
	WMFS 4-PCB	PCB Pins, 80°C, 30 VAC/ 36 VDC, 4 A, mates with 4-pin snap lock or threaded female cordsets	Male
	WMFS 6-PCB	PCB Pins, 80°C, 24 VDC, 1 A, mates with 6-pin snap lock or threaded female cordsets	Male
	WMFS 3F-PCB	PCB Pins, 80°C, 75 VDC, 4 A, mates with 3-pin snap lock or threaded female cordsets	Male
	WMFS 4F-PCB	PCB Pins, 80°C, 36 VDC, 4 A, mates with 4-pin snap lock or threaded female cordsets	Male
	WMFS 6F-PCB	PCB Pins, 80°C, 24 VDC, 1 A, mates with 6-pin snap lock or threaded female cordsets	Male

Standard housing material is nickel plated brass.

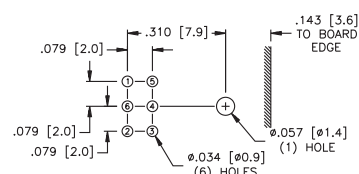
WMFS 3-PCB



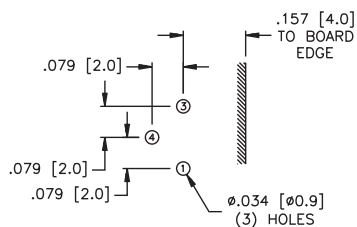
WMFS 4-PCB



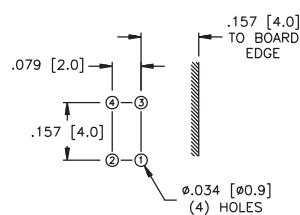
WMFS 6-PCB



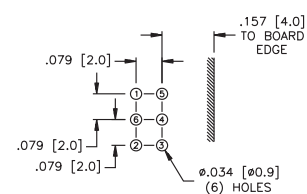
WMFS 3F-PCB



WMFS 4F-PCB



WMFS 6F-PCB



3 and 4-Wire Receptacles with PCB Pins and Mounting Bracket

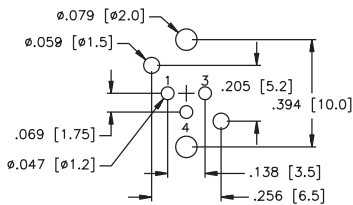
- IEC IP67 Protection



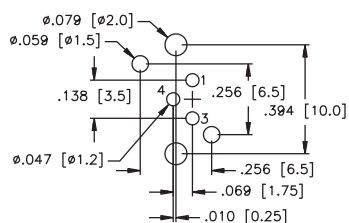
Housing Style	Female Part Number	Features	Pinout
MFKSH .. F-PCB 	MFKSH 3F-PCB	PCB Pins, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets	Female
	MFKSH 4F-PCB	PCB Pins, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets	Female
MFKSHL .. F-PCB 	MFKSHL 3F-PCB	PCB Pins, Long Bracket, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets	Female
	MFKSHL 4F-PCB	PCB Pins, Long Bracket, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets	Female
WMFKSH .. F-PCB 	WMFKSH 3F-PCB	PCB Pins, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets	Female
	WMFKSH 4F-PCB	PCB Pins, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets	Female

Standard housing material is nickel plated brass.

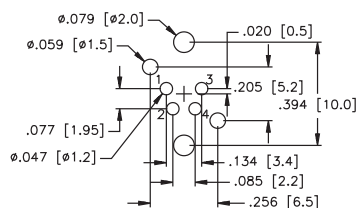
MFKSH 3F-PCB
MFKSHL 3F-PCB



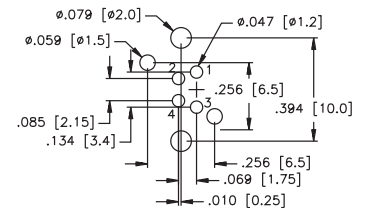
WMFKSH 3F-PCB



MFKSH 4F-PCB
MFKSHL 4F-PCB



WMFKSH 4F-PCB



3, 4 and 6-Wire Receptacles, Rear Mount with Solder Cups

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Features	Pinout
MFKS..F	MFKS 3F	Solder Cups, accepts up to 22 AWG conductors, 80°C, 125 V, 4 A, mates with 3-pin threaded male cordsets	
	MFKS 4F	Solder Cups, accepts up to 22 AWG conductors, 80°C, 125 V, 2 A, mates with 4-pin threaded male cordsets	
	MFKS 6F	Solder Cups, accepts up to 24 AWG conductors, 80°C, 125 V, 2 A, mates with 6-pin threaded male cordsets	

Standard housing material is nickel plated brass.

3, 4 and 6-Wire Feed-Thru Receptacles

- Female to Male Receptacles
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Part Number	Features	Pinout
MFSV MFKV .. MFSV MFKV 3/M8	MFSV MFKV 3/M8	3-conductor, 80°C, 125 V, 4 A, mates with 3-pin threaded cordsets	Female Male
MFSV MFKV .. MFSV MFKV 4/M8	MFSV MFKV 4/M8	4-conductor, 80°C, 125 V, 2 A, mates with 4-pin threaded cordsets	Female Male
MFSV MFKV .. MFSV MFKV 6/M8	MFSV MFKV 6/M8	6-conductor, 80°C, 125 V, 2 A, mates with 6-pin threaded cordsets	Female Male

Standard housing material is stainless steel.

3 and 4-Wire Field Wireable Connectors, Standard

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
B 513(4)1-0	B 5131-0	BS 5131-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	Female Male
BS 513(4)1-0	B 5141-0	BS 5141-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 30 VAC/ 36 VDC, 4.0 A, mates with 4-pin threaded cordsets and receptacles	Female Male
B 513(4)3-0	B 5133-0	BS 5133-0	PBT, Black, accepts 3-5 mm cable diameter, screw terminals, accepts up to 22 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	Female Male
BS 513(4)3-0	B 5143-0	BS 5143-0	PBT, Black, accepts 3-5 mm cable diameter, screw terminals, accepts up to 22 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 4-pin threaded cordsets and receptacles	Female Male

3 and 4-Wire Field Wireable Connectors, Standard

- IEC IP67 Protection

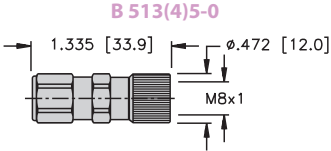
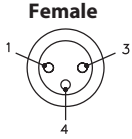
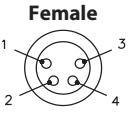


Housing Style	Female Part Number	Male Part Number	Features	Pinout
BS 513(4)2-0		BS 5132-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 26 AWG conductors, 85°C 60 VAC/ 75 VDC, 4 A, mates with 3-pin female snap-lock cordsets, receptacles and junction boxes and threaded cordsets	Male
		BS 5142-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 26 AWG conductors, 85°C 60 VAC/ 75 VDC, 2 A, mates with 3-pin female snap-lock cordsets, receptacles and junction boxes and threaded cordsets	Male
	B 523(4)1-0	B 5231-0	PBT, Black, Accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	Female
		BS 5231-0		Male
	BS 523(4)1-0	B 5241-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 30 VAC/ 36 VDC, 4.0 A, mates with 4-pin threaded cordsets and receptacles	Female
		BS 5241-0		Male

3 and 4-Wire Field Wireable Connectors, IAC

- Insulation Avoidance Technology
- No Conductor Stripping Required
- IEC IP67 Protection

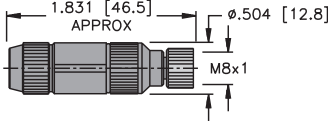
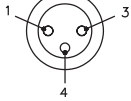
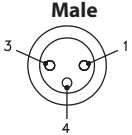
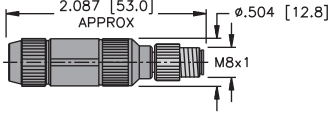
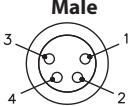


Housing Style	Female Part Number	Features	Pinout
	B 5135-0	Nickel plated brass, accepts 3-5 mm cable diameter, IAC, accepts 22-26 AWG conductors, 90°C, 60 VAC/75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	
	B 5145-0	Nickel plated brass, accepts 3-5 mm cable diameter, IAC, accepts 22-26 AWG conductors, 90°C, 60 VAC/ 75 VDC, 4 A, mates with 4-pin threaded cordsets and receptacles	

3 and 4-Wire Field Wireable Connectors, IDC

- Insulation Displacement Technology
- No Conductor Stripping Required
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
B 513(4)6-0 	B 5136-0	BS 5136-0	Nickel plated brass, accepts 4-5 mm cable diameter, IDC, accepts up to 22-26 AWG conductors, 85°C, 32 V, 4.0 A, mates with 3-pin threaded cordsets and receptacles	Female  Male 
BS 513(4)6-0 	B 5146-0	BS 5146-0	Nickel plated brass, accepts 4-5 mm cable diameter, IDC, accepts up to 22-26 AWG conductors, 85°C, 32 V, 4.0 A, mates with 4-pin threaded cordsets and receptacles	Female  Male 

Field Wireables

M8 picofast® to M12 eurofast® Adapters

- Enables *picofast* and *eurofast* Connectors to be Interchanged
- *eurofast* Connection has Anti-vibration Coupling Nut
- IEC IP67 Protection



Housing Style	Part Number	Features	Wiring Diagram
FKMR 4 .. 	FKMR 4-ESM 3S	TPU body, 60 VAC/ 75 VDC, 4 A, 80°C, female eurofast, male snap-lock picofast connector, 3-pin	
	FKMR 4.4-ESM 4S	TPU body, 30 VAC/ 36 VDC, 4 A, 80°C, female eurofast, male snap-lock picofast connector, 4-pin	
FSMR 4 .. 	FSMR 4-SKM 3	TPU body, 60 VAC/ 75 VDC, 4 A, 80°C, male eurofast, female threaded picofast connector, 3-pin	
	FSMR 4.4-SKM 4	TPU body, 30 VAC/ 36 VDC, 4 A, 80°C, male eurofast, female threaded picofast connector, 4-pin	

Add "/S857" to the end of part description to specify addition of mounting hole.

Pinouts

Female			Male		
3-Pin picofast	4-Pin picofast	4-Pin eurofast	3-Pin picofast	4-Pin picofast	4-Pin eurofast

Connector Inserts

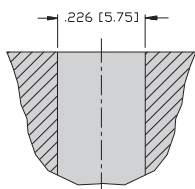
- For Use in Sensors and Custom Receptacles
- Clear Body Versions for Use with Indicator LEDs
- Solder Lug or Printed Circuit Pin Mounting Options



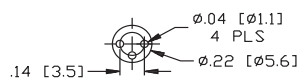
Accessories

Housing Style	Female Part Number	Features	Pinout
ESM .. ESHM ..	ESM 3S (10/BAG)	Nylon, black, solder cup, accepts 26 AWG, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock	Male
	ESM 4S (10/BAG)	Nylon, black, solder cup, accepts 28 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock	Male
	ESM 6S (10/BAG)	Nylon, black, solder cup, accepts 26 AWG, 24 VDC, 1 A, 80°C, 6-pin snap lock	Male
	ESHM 3L (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 26 AWG, 30 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock clear body for LED	Male
	ESHM 4L (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 26 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock clear body for LED	Male
	ESHM 3P (10/BAG)	Nickel plated brass and nylon housing, PCB pin, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock clear body for LED	Male
	ESHM 4P (10/BAG)	Nickel plated brass and nylon housing, PCB pin, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock clear body for LED	Male

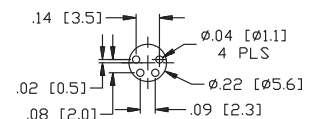
Mounting Bore
(for male insert)



3-pin PCB Board Layout



4-pin PCB Board Layout

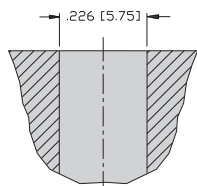
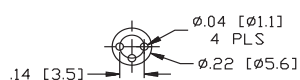
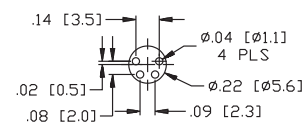


Connector Inserts

- For Use in Sensors and Custom Receptacles
- Clear Body Versions for Use with Indicator LEDs
- Solder Lug or Printed Circuit Pin Mounting Options



Housing Style	Male Part Number	Features	Pinout
SESM .. ESGM ..	SESM 3S (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 26 AWG, 60 VAC/ 75 VDC, 4 A, 80°C, 3-pin snap lock or threaded	Male
	SESM 4S (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 28 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock or threaded	Male
	ESGM 3L (10/BAG)	Nickel plated brass housing with clear nylon lens, solder cup, accepts 26 AWG, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock or threaded, clear lens for LED	Male
	ESGM 4L (10/BAG)	Nickel plated brass housing with clear nylon lens, solder cup, accepts 26 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock or threaded, clear lens for LED	Male
	ESGM 3P (10/BAG)	Nickel plated brass housing with clear nylon lens, PCB pin, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock or threaded, clear lens for LED	Male
	ESGM 4P (10/BAG)	Nickel plated brass housing with clear nylon lens, PCB pin, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock or threaded, clear lens for LED	Male

**Mounting Bore
(for male insert)**

3-pin PCB Board Layout

4-pin PCB Board Layout


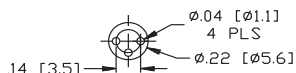
Connector Inserts

- For Use in Sensors and Custom Receptacles
- Clear Body Versions for Use with Indicator LEDs
- Female Inserts
- Solder Lug or Printed Circuit Pin Mounting Options

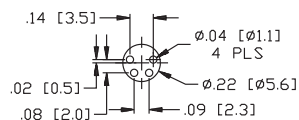


Housing Style	Female Part Number	Features	Pinout
MFK .. MFKB ..	MFK 3 (10/BAG)	TPU housing, black, PCB pins, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock	Female
	MFK 4 (10/BAG)	TPU housing, black, PCB pins, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock	
	MFKB 3 (10/BAG)	TPU housing, black, PCB pins, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock	Female
	MFKB 4 (10/BAG)	TPU housing, black, PCB pins, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock	
	MFKB 3L (10/BAG)	TPU housing, black, solder cups, 60 VAC/75 VDC 4 A, 80°C, 3-pin snap lock, accepts 24 AWG	
	MFKB 4L (10/BAG)	TPU housing, black, solder cups, 30 VAC/36 VDC 4 A, 80°C, 4-pin snap lock, accepts 24 AWG	

3-pin PCB Board Layout

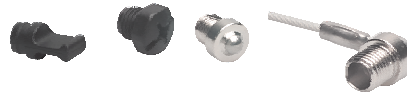


4-pin PCB Board Layout



Closure Caps

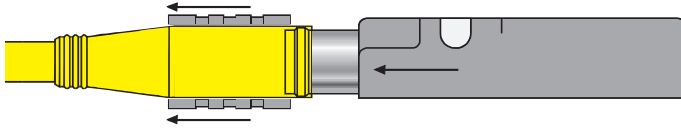
- For Use with Cordsets, Receptacles and Junction Boxes



Housing Style	Part Number	Features
	PSGK-MC (8/BAG)	Nylon, Mates to female snap lock cordsets, receptacles and junction boxes
	PSGM-CC (8/BAG)	Nylon, Mates to female threaded cordsets, receptacles and junction boxes
	PSG-CC	Nickel plated brass, Mates to female threaded cordsets, receptacles and junction boxes
	PSG-MC	Nickel plated brass, Mates to female threaded cordsets, receptacles and junction boxes
	PKG-CC	Nickel plated brass, Mates to male threaded cordsets, receptacles and junction boxes
	PKG-MC	Nickel plated brass, Mates to male threaded cordsets, receptacles and junction boxes

M8 *picofast*® "Snap Lock" Connector Instructions

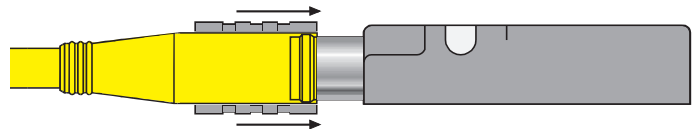
UNLOCK



With TURCK's patented Locking Sleeve pulled back, any *picofast* sensor slides on without any difficulty.

LOCK

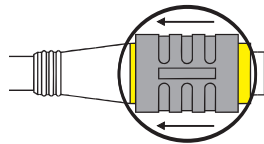
After sensor is connected, push Locking Sleeve forward to create a watertight connection. It's a snap!



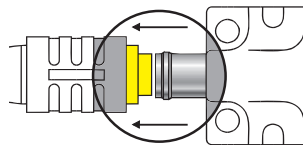
Installation Instructions

To Attach:

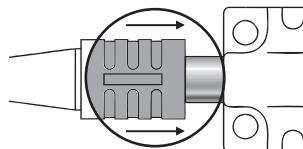
1. Be sure black locking sleeve is pulled back.



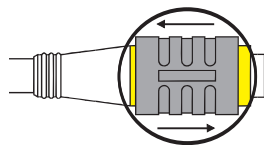
2. Line up pins and push connector onto plug. You will feel a "snap." Do not twist.



3. Push locking sleeve forward on connector until it is flush with the front of the connector.



4. If sleeve is difficult to slide on a new connector, "exercise" it a few times. Do not use tools.

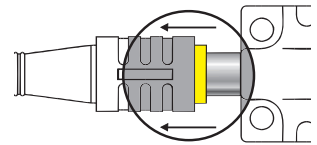


To Detach:

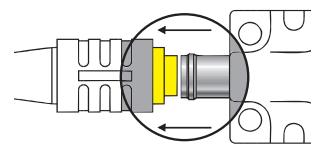
1. Do not twist.



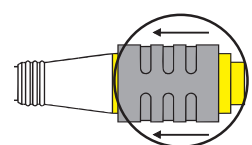
2. Pull locking sleeve back to "unlocked" position.



3. Pull connector straight off.



4. Leave locking sleeve in unlocked position.



Notes: