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Features

- 2 to 6 pin
- Up to 4 Amp, 250 Volt rated
- IEC IP67 protection
- NEMA 6P rated
- Low current AC applications



Cordset Part Number key

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

1/2" Microfast Cordset		Varieties	
KB	= straight female connector	(blank)	= PVC jacket
WKB	= right angle female connector	/S90	= TPU jacket
SB	= straight male connector	/S90-SP	= TPU coil cord
WSB	= right angle male connector	/S105	= PVC jacket, mechanical shield (braided)
		/S1077	= silicone tubing
		/S1587	= Weldlife®, weld flash immune
		/XOR	= irradiated PVC jacket
		/S ..	= consult factory, special
		/CS ..	= consult factory, special

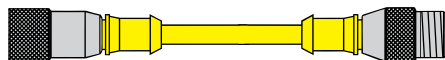
Body Style		Insertion Point of Extension Cable and Second Prefix*	
(blank)	= standard plug body	* Female connector listed first, male connector second	
E	= large plug body	Example: KB 3T-2-SB 3T	

Coupling Nut Material		Length in Meters	
(blank)	= nickel plated brass		
V	= stainless steel		
K	= nylon		

Number of Wires / AWG / Color Codes		Plug Options	
2	= BN, BU	T = T barb fitting	
3	= GN, RD/BK, RD/WH		
4	= RD/BK, RD/WH, RD, GN		
5	= RD/WH, RD, GN, RD/YE, RD/BK		
6	= RD/WH, RD, GN, RD/YE, RD/BK, RD/BU		
AWG sizes depend on body style and "/S" variety			

Extension Examples:

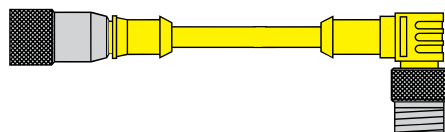
Hybrid connector extensions also available. Consult factory.



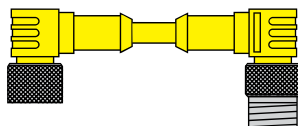
KB **3 T** - **2** **SB** **3 T**



WKB **3 T** - **2** **SB** **3 T**



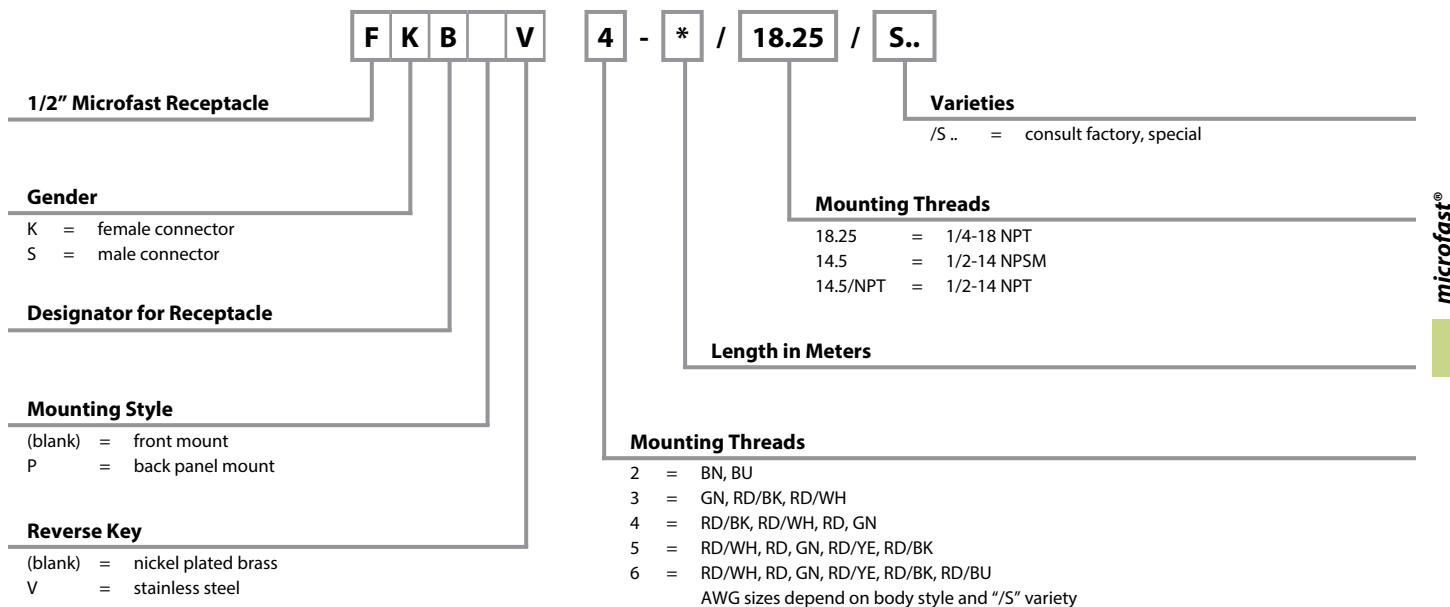
KB **3 T** - **2** **WSB** **3 T**



WKB **3 T** - **2** **WSB** **3 T**

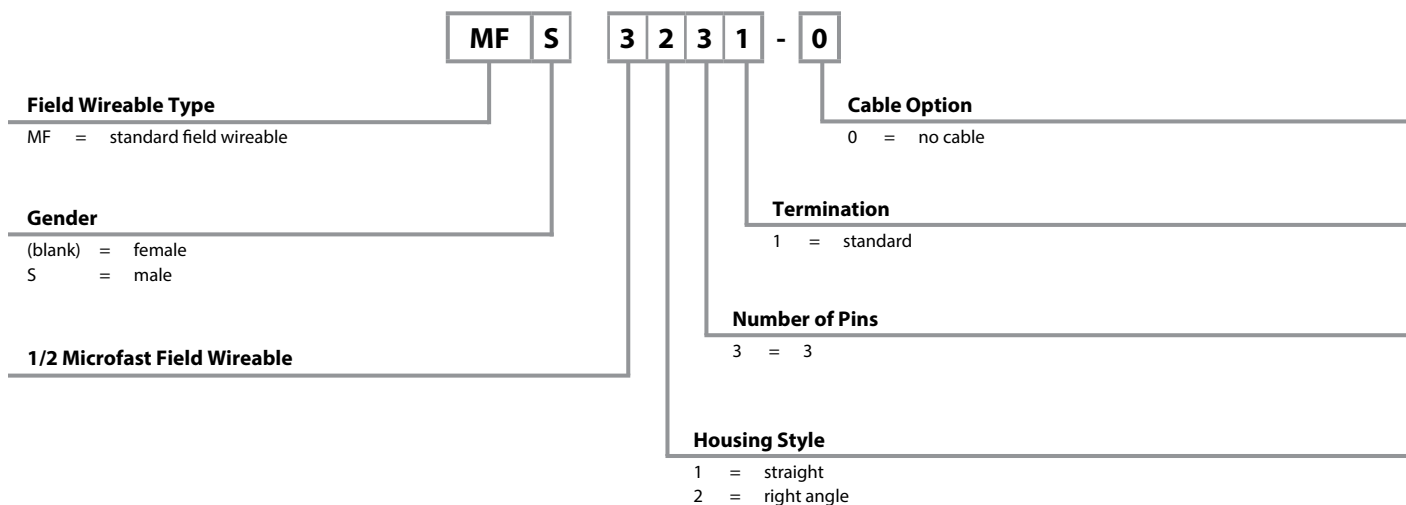
Cordset Part Number key

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



Field Wireable Part Number Key

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



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



Connector Style	Female Part Number	Male Part Number	Features	Pinout
WSB ..**	KB 3T-* WKB 3T-*	SB 3T-* WSB 3T-*	ITC/PLTC PVC Yellow, 3x22 AWG, 105 °C, 5.1 mm OD, Cable #RF50531-*M	Female
WKB ..**	KB 3T-*/S90 WKB 3T-*/S90	SB 3T-*/S90 WSB 3T-*/S90	AWM TPU Yellow, 3x18 AWG, 90 °C, 5.3 mm OD, Cable #RF50547-*M, Cut/Abrasion Immune	
KB 3T-*/S105 WKB 3T-*/S105	KB 3T-*/S105 WKB 3T-*/S105	SB 3T-*/S105 WSB 3T-*/S105	ITC/PLTC PVC Yellow, 3x22 AWG, 105 °C, 6.2 mm OD, Cable #RF50535-*M, Braided Shield	
SB ..**	KB 3T-*/S749 WKB 3T-*/S749	SB 3T-*/S749 WSB 3T-*/S749	ITC/PLTC PVC Yellow, 2x22 AWG, 105 °C, 5.1 mm OD, Cable #RF50650-*M, 3-pin with 2 conductors	Male
WSB ..**	KB 3T-*/S1507 WKB 3T-*/S1507	SB 3T-*/S1507 WSB 3T-*/S1507	AWM TPE Grey, 3x22 AWG 105 °C, 4.8 mm OD, Cable #RF52085-*M, Flexlife-20, High Flex - Over 20 million cycles	

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

** Standard coupling nut material is nickel plated brass "KB .."; "KKB .." indicates nylon and "KBV .." indicates stainless steel.

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

4, 5 and 6-Wire Cordsets, Standard Duty

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



Connector Style	Female Part Number	Male Part Number	Features	Pinout
 	KB 4T-* WKB 4T-*	SB 4T-* WSB 4T-*	ITC/PLTC PVC Yellow, 4x22 AWG, 105 °C, 5.3 mm OD, Cable #RF50555-*M, Flexlife®	Female Male
	KB 4T-*/S90 WKB 4T-*/S90	SB 4T-*/S90 WSB 4T-*/S90	AWM TPU Yellow, 4x22 AWG, 90 °C, 4.7 mm OD, Cable #RF50614-*M, Cut/ Abrasion Immune	
	KB 4T-*/S105 WKB 4T-*/S105	SB 4T-*/S105 WSB 4T-*/S105	ITC/PLTC PVC Yellow, 4x22 AWG, 105 °C, 6.2 mm OD, Cable #RF50656-*M, Braided Copper Shield	
	KB 4T-*/S727 WKB 4T-*/S727	SB 4T-*/S727 WSB 4T-*/S727	AWM TPU Grey, 4x22 AWG, 90 °C, 5.1 mm OD, Cable #RF50532-*M, Special Conductor Color Code	1. RD/BK 2. RD/WH 3. RD 4. GN 1. BN 2. BU 3. BK 4. WH
	KB 5T-* WKB 5T-*	SB 5T-* WSB 5T-*	ITC/PLTC PVC Yellow, 5x22 AWG, 105 °C, 5.7 mm OD, Cable #RF50556-*M, Flexlife	Female Male
	KB 6T-* WKB 6T-*	SB 6T-* WSB 6T-*	ITC/PLTC PVC Yellow, 6x22 AWG, 105 °C, 6.2 mm OD, Cable #RF51003-*M, Flexlife	Female Male

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

** Standard coupling nut material is nickel plated brass "KB .."; "KBK .." indicates nylon and "KBV .." indicates stainless steel.

1/2" microfast® Connectivity

2, 3 and 5-Wire Cordsets, Large Plug Body

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



Connector Style	Female Part Number	Male Part Number	Features	Pinout
KBE 2T-* WKBE 2T-*		SBE 2T-* WSBE 2T-*	ITC/PLTC PVC Yellow, 2x18 AWG, 105 °C, 6.2 mm OD, Cable #RF50511-*M, Flexlife®	Female Male
KBE 3T-* WKBE 3T-*		SBE 3T-* WSBE 3T-*	ITC/PLTC PVC Yellow, 3x18 AWG, 105 °C, 6.2 mm OD, Cable #RF50520-*M, Flexlife	Female Male
KBE 3T-*/S600 WKBE 3T-*/S600		SBE 3T-*/S600 WSBE 3T-*/S600	SJOOW CPE Yellow, 3x18 AWG, 105 °C, 8.0 mm OD, Cable #RF50658-*M, Weld Flash Immune, Flame Immune	Female Male
KBE 3T-*/S1587 WKBE 3T-*/S1587		SBE 3T-*/S1587 WSBE 3T-*/S1587	ITC/PLTC TPE Yellow, 3x18 AWG, 105 °C, 6.2 mm OD, Cable #RF50957-*M, Weldlife, Weld Flash Immune	Female Male
KBE 5T-* WKBE 5T-*		SBE 5T-* WSBE 5T-*	ITC/PLTC PVC Yellow, 5x18 AWG, 105 °C, 7.6 mm OD, Cable #RF50521-*M, Flexlife	Female Male
KBE 5T-*/S600 WKBE 5T-*/S600		SBE 5T-*/S600 WSBE 5T-*/S600	SJOOW CPE Yellow, 5x18 AWG, 105 °C, 9.4 mm OD, Cable #RF50659-*M, Weld Flash Immune, Flame Immune	Female Male
KBE 5T-*/S1587 WKBE 5T-*/S1587		SBE 5T-*/S1587 WSBE 5T-*/S1587	ITC/PLTC TPE Yellow, 5x18 AWG, 105 °C, 7.6 mm OD, Cable #RF50958-*M, Weldlife, Weld Flash Immune	Female Male

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

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

** Standard coupling nut material is nickel plated brass "KB .."; "KBK .." indicates nylon and "KBV .." indicates stainless steel.

3 and 4-Wire Spiral Cordsets, Standard Duty

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



Connector Style	Female Part Number	Male Part Number	Features	Pinout
KB ..SP** WKB ..SP** SB ..SP** WSB ..SP**	KB 3T-3.3/S90-SP WKB 3T-3.3/S90-SP	SB 3T-3.3/S90-SP WSB 3T-3.3/S90-SP	AWM TPU Yellow, 3x22 AWG, 90 °C, 250 V, 4 A, 5.1 mm OD, for repetitive motion, 3-wire applications	Female Male
KB 4T-3.3/S90-SP/S727 WKB 4T-3.3/S90-SP/S727	SB 4T-3.3/S90-SP/S727 WSB 4T-3.3/S90-SP/S727	AWM TPU Grey, 4x22 AWG, 90 °C, 250 V, 4 A, 5.1 mm OD, for repetitive motion, 3-wire AC flow sensor applications	Female Male	

** Standard coupling nut material is nickel plated brass "KB"(WKB)" ; "KBV(WKBV)" indicates stainless steel.

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Mounting Style	Image	Panel Thread Types	Page
Front Mount		1/2-14 NPSM 1/2-14 NPT 1/4-18 NPT	E9 E11 E13
Rear Mount		11/16-24 UNEF Bulkhead Feed-thru	E15 E15

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

2, 3 and 4-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

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



Housing Style	Female Part Number	Male Part Number	Features	Pinout
FKB ... Typical panel cutout 22.5 mm	FKB 2-*/14.5	FSB 2-*/14.5	2x18 AWG, 105 °C	Female Male
	FKB 3-*/14.5	FSB 3-*/14.5	3x22 AWG, 105 °C	Female Male
	FKB 3-*/14.5/S690	FSB 3-*/14.5/S690	3x18 AWG, 105 °C	Female Male
	FKB 4-*/14.5	FSB 4-*/14.5	4x22 AWG, 105 °C	Female Male

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

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass."FSB ..".
To specify PVC jacketed cable, add "/S717" to the end of the part number.

1/2" microfast® Connectivity

5 and 6-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

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



Housing Style	Female Part Number	Male Part Number	Features	Pinout
FKB ... Typical panel cutout 22.5 mm	FKB 5-*/14.5	FSB 5-*/14.5	5x22 AWG, 105 °C	Female 1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK
	FKB 5-*/14.5/S690	FSB 5-*/14.5/S690	5x18 AWG, 105 °C	Male
FSB ... Typical panel cutout 22.5 mm	FKB 6-*/14.5	FSB 6-*/14.5	6x22 AWG, 105 °C	Female 1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK 6. RD/BU Male

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

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass.. "FSB ..".
To specify PVC jacketed cable, add "/S717" to the end of the part number.

2, 3 and 4-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

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



Housing Style	Female Part Number	Male Part Number	Features	Pinout
FKB ... Typical panel cutout 22.5 mm	FKB 2-*/14.5/NPT	FSB 2-*/14.5/NPT	2x18 AWG, 105 °C	Female Male
FKB 3-*/14.5/NPT Typical panel cutout 22.5 mm	FKB 3-*/14.5/NPT	FSB 3-*/14.5/NPT	3x22 AWG, 105 °C	Female Male
FSB ... Typical panel cutout 22.5 mm	FKB 4-*/14.5/NPT	FSB 4-*/14.5/NPT	4x22 AWG, 105 °C	Female Male

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass. "FSB..".
To specify PVC jacketed cable, add "/S717" to the end of the part number.

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



Housing Style	Female Part Number	Male Part Number	Features	Pinout	
FKB ...	FKB 5-*/14.5/NPT	FSB 5-*/14.5/NPT	5x22 AWG, 105 °C	Female Male	1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK
		FSB 5-*/14.5/NPT/S690	5x18 AWG, 105 °C		
FSB ...	FKB 6-*/14.5/NPT	FSB 6-*/14.5/NPT	6x22 AWG, 105 °C	Female Male	1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK 6. RD/BU

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

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass..“FSB..”.
 To specify PVC jacketed cable, add “/S717” to the end of the part number.

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

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



Housing Style	Female Part Number	Male Part Number	Features	Pinout
FKB ... FSB ...	FKB 2-*/18.25	FSB 2-*/18.25	2x18 AWG, 105 °C	Female Male
	FKB 3-*/18.25	FSB 3-*/18.25	3x22 AWG, 105 °C	Female
	FKB 3-*/18.25/S690	FSB 3-*/18.25/S690	3x18 AWG 105 °C	Female
		FSB 3-*/18.25/S649	3x22 AWG 105 °C	Female
	FKB 3-*/18.25/S662	FSB 3-*/18.25/S662	3x18 AWG 105 °C	Male
		FSB 3-*/18.25/S881	3x22 AWG 105 °C	Male

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass. "FSB ..". "FSBV.." indicates stainless steel housing.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

1/2" microfast® Connectivity

4, 5 and 6-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

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



Housing Style	Female Part Number	Male Part Number	Features	Pinout
FKB ... Typical panel cutout is 14.3 mm		FSB 4-*/18.25/S621	4x18 AWG, 105 °C	Female
	FKB 4-*/18.25	FSB 4-*/18.25	4x22 AWG, 105 °C	1. RD/BK 2. RD/WH 3. RD 4. GN Male
		FSB 4-*/18.25/S727	4x22 AWG, 105 °C	1. BN 2. BU 3. BK 4. WH
	FKB 5-*/18.25	FSB 5-*/18.25	5x22 AWG, 105 °C	1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK Female
FSB ... Typical panel cutout is 14.3 mm	FKB 5-*/18.25/S690	FSB 5-*/18.25/S690	5x18 AWG, 105 °C	Male
	FKB 6-*/18.25	FSB 6-*/18.25	6x22 AWG, 105 °C	1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK 6. RD/BU Female
				Male

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

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass.. "FSB ..". "FSBV.." indicates stainless steel housing.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

3 and 5-Wire Female Receptacles, Back Panel Mount, 11/16-24 Threads

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



Housing Style	Female Part Number	Features	Pinout
FKBP ... SEALING GASKET TRIM WASHER LOCKNUT THRUST WASHER Recommended panel thickness is 5.1 mm and typical panel cutout is 17.5 x 3.2 x 1.6 mm	FKBP 3-*	3x18 AWG, 105 °C	Female
	FKBP 5-*	5x18 AWG, 105 °C	Female

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Standard housing material is nickel plated brass.

3, 4 and 5-Wire Shielded Bulkhead Feed-Thru Receptacles

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



Housing Style	Part Number	Features	Pinout
FKB FSB .. GASKET LOCKNUT LOCKWASHER ISOLATOR ISOLATOR Recommended panel cutout thickness is 5.1 mm and typical panel cutout is 12.5 or 15.9 mm	FKB FSB 3	3-pin, 105 °C	Female
	FKB FSB 4	4-pin, 105 °C	Female
	FKB FSB 5	5-pin, 105 °C	Female

Standard housing material is nickel plated brass.

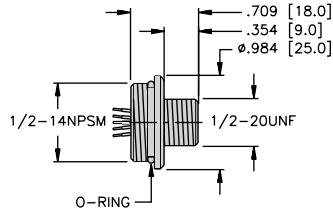
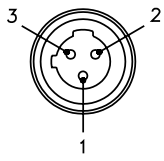
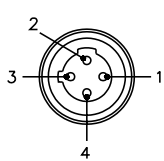
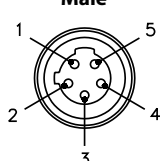
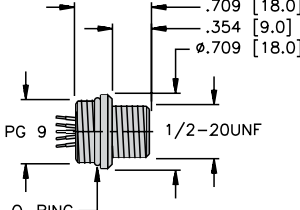
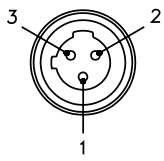
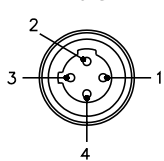
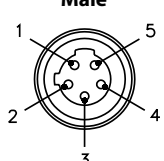
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
MF 3131-0	MF 3131-0	MFS 3131-0	PBT, black, PG 7 cable diameter gland, accepts 4-6 mm cable diameter, screw terminals, accepts up to 18 AWG conductor, 85 °C, 250 V, 4 A, mates with 3-wire cordsets and receptacles	Female
MF 3231-0				
MFS 3131-0				
MFS 3231-0	MF 3231-0	MFS 3231-0	PBT, black, PG 7 cable diameter gland, accepts 4-6 mm cable diameter, screw terminals, accepts up to 18 AWG conductor, 85 °C, 250 V, 4 A, mates with 3-wire cordsets and receptacles	Male

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

Adapters

Housing Style	Part Number	Features	Pinout
 Typical panel cutout is 22.5 mm	B3131-*	Nickel plated brass, 3x26 AWG leads, 80 °C, 250 V, 4 A, Mates with 3-pin cordsets, 1/2-14 NPSM thread	Male 
	B3141-*	Nickel plated brass, 4x22 AWG leads, 80 °C, 250 V, 4 A, Mates with 4-pin cordsets, 1/2-14 NPSM thread	Male 
	B3151-*	Nickel plated brass, 5x26 AWG leads, 80 °C, 250 V, 4 A, Mates with 5-pin cordsets, 1/2-14 NPSM thread	Male 
 Typical panel cutout is 22.5 mm	B3131-PG9-*	Nickel plated brass, 3x26 AWG leads, 80 °C, 250 V, 4 A, Mates with 3-pin cordsets, PG 9 thread	Male 
	B3141-PG9-*	Nickel plated brass, 4x22 AWG leads, 80 °C, 250 V, 4 A, Mates with 4-pin cordsets, PG 9 thread	Male 
	B3151-PG9-*	Nickel plated brass, 5x26 AWG leads, 80 °C, 250 V, 4 A, Mates with 5-pin cordsets, PG 9 thread	Male 

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- For use in Sensors and Custom Receptacles
- Compatible with Standard Microfast Cordsets



Housing Style	Part Number	Features	Pinout
	ESBW 3 (10/BAG)	Nylon solder cup, accepts up to 22 AWG, 80 °C, 250 V, 4 A, up to 3 conductors	Male
	ESBW 4 (10/BAG)	Nylon solder cup, accepts up to 22 AWG, 80 °C, 250 V, 4 A, up to 4 conductors	Male
	ESBW 5 (10/BAG)	Nylon solder cup, accepts up to 22 AWG, 80 °C, 250 V, 4 A, up to 5 conductors	Male
	SB-CC (10/BAG)	Polypropylene closer cap, mates to female cordsets, receptacles and junction boxes	

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