M12 B-Coded Panel-Mount Receptacle, Pre-Wired Leads

M12 × 1.0 B-coded panel-mount receptacle with pre-wired single leads. Male or female; straight front or rear mount. 5 pins. Leads 0.3, 0.5 or 1.0 m. For fieldbus networks.

ORDERING CODE
M12B-5P-[M/F]-ST-[FR/RR]-WL-[PG9/M16]-[length]

CONNECTOR
M12 × 1.0, B-coded, male or female

MOUNTING
Straight front or rear mount

PINS
5

PANEL THREAD
PG9 or M16

TERMINATION
Pre-wired single leads: 0.3, 0.5 or 1.0 m

CONSTRUCTION

Standard	IEC 61076-2-101
Termination	Pre-wired single leads
Locking	M12 × 1.0 screw
Contacts	Brass, gold plated
Nut and shell	Brass, nickel plated
Insert	TPU
Seal	FKM
Lead wire	0.14 to 0.75 mm² (26 to 18 AWG)

RATINGS

5-pin B-coded	60 V · 4 A

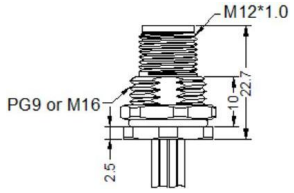
GENERAL

Operating temp.	–40 to +85 °C
Current rating at	40 °C
Insulation resist.	≥ 100 MΩ
Contact resist.	≤ 5 mΩ
Mating cycles	> 100
Compliance	RoHS / REACH

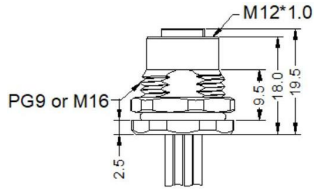
BUILT TO ORDER
Standard versions ship in about 5 to 6 weeks. Request a quote on formrep.com or call 816-782-7800.

NEED SOMETHING DIFFERENT?
Other lead lengths, threads and codings may be available. Ask for a made-to-fit quote.

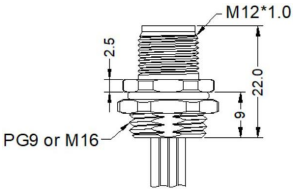
Dimensions, pin layouts and ordering



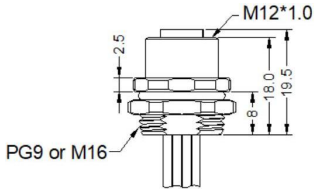
MALE, STRAIGHT, FRONT MOUNT



FEMALE, STRAIGHT, FRONT MOUNT

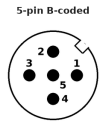


MALE, STRAIGHT, REAR MOUNT

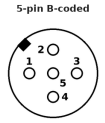


FEMALE, STRAIGHT, REAR MOUNT

PIN LAYOUTS, FACE VIEW (MATING SIDE); MALE TOP ROW, FEMALE BOTTOM ROW



Male face view (mating side)



Female face view (mating side)

ORDERING CODE

M12B	-	5P	-	M	-	ST	-	FR	-	WL	-	PG9	-	0M5
M12 B-coded		pins: 5		M = male, F = female		ST or RA head		FR = front, RR = rear mount		pre-wired single leads		PG9/M16 thread		0M3, 0M5, 1M0 lead

Example: M12B-5P-M-ST-FR-WL-PG9-0M3 = 5-pin B-coded male straight, front mount receptacle, pre-wired single leads, PG9 thread, 0.3 m leads.

STANDARD CONFIGURATIONS (24)

M12B-5P-M-ST-FR-WL-PG9-0M3	M12B-5P-F-ST-FR-WL-PG9-0M3	M12B-5P-M-ST-RR-WL-PG9-0M3	M12B-5P-F-ST-RR-WL-PG9-0M3
M12B-5P-M-ST-FR-WL-PG9-0M5	M12B-5P-F-ST-FR-WL-PG9-0M5	M12B-5P-M-ST-RR-WL-PG9-0M5	M12B-5P-F-ST-RR-WL-PG9-0M5
M12B-5P-M-ST-FR-WL-PG9-1M0	M12B-5P-F-ST-FR-WL-PG9-1M0	M12B-5P-M-ST-RR-WL-PG9-1M0	M12B-5P-F-ST-RR-WL-PG9-1M0
M12B-5P-M-ST-FR-WL-M16-0M3	M12B-5P-F-ST-FR-WL-M16-0M3	M12B-5P-M-ST-RR-WL-M16-0M3	M12B-5P-F-ST-RR-WL-M16-0M3
M12B-5P-M-ST-FR-WL-M16-0M5	M12B-5P-F-ST-FR-WL-M16-0M5	M12B-5P-M-ST-RR-WL-M16-0M5	M12B-5P-F-ST-RR-WL-M16-0M5
M12B-5P-M-ST-FR-WL-M16-1M0	M12B-5P-F-ST-FR-WL-M16-1M0	M12B-5P-M-ST-RR-WL-M16-1M0	M12B-5P-F-ST-RR-WL-M16-1M0