

## M12 B-Coded Field-Attachable Connector, Metal, Shielded

Solder-termination M12 × 1.0 B-coded connector you wire onto your own cable. Male or female, straight or right-angle, 5 pins; PG7 or PG9 cable entry. Metal, shielded housing.



### ORDERING CODE

**M12B-5P-[M/F]-[ST/RA]-FAS-[PG7/PG9]**

### CONNECTOR

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

### HEAD

**Straight or right-angle**

### PINS

**5**

### CABLE ENTRY

**PG7: 4 to 6 mm cable · PG9: 6 to 8 mm cable**

### WIRE RANGE

**0.14 to 0.75 mm<sup>2</sup> (26 to 18 AWG), solder**

### CONSTRUCTION

|              |                                             |
|--------------|---------------------------------------------|
| Standard     | IEC 61076-2-101                             |
| Termination  | Solder                                      |
| Wire range   | 0.14 to 0.75 mm <sup>2</sup> (26 to 18 AWG) |
| Contacts     | Brass, gold plated                          |
| Coupling nut | Brass, nickel plated                        |
| Housing      | Metal, nickel plated, shielded              |
| Insert       | TPU                                         |
| Seal         | FKM                                         |
| Cable OD     | 4.0 to 8.0 mm                               |

### RATINGS

**5-pin B-coded 60 V · 4 A**

### GENERAL

|                    |               |
|--------------------|---------------|
| Operating temp.    | –25 to +85 °C |
| Current rating at  | 40 °C         |
| Insulation resist. | ≥ 100 MΩ      |
| Contact resist.    | ≤ 5 mΩ        |
| Mating cycles      | > 100         |
| Compliance         | RoHS / REACH  |

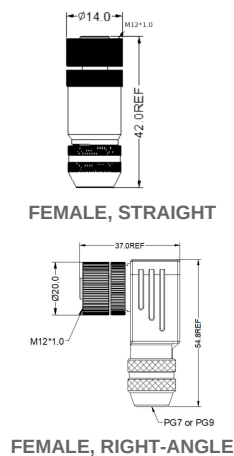
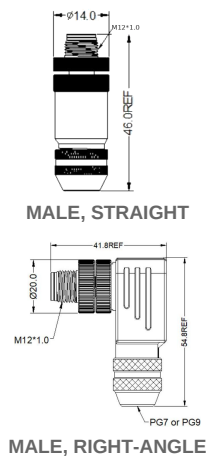
### BUILT TO ORDER

Standard versions ship in about 5 to 6 weeks. Request a quote on [formrep.com](http://formrep.com) or call 816-782-7800.

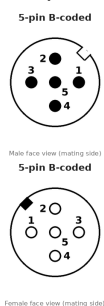
### NEED A FINISHED CABLE?

We also offer overmolded M12 B-coded cables in 1 to 10 m lengths. Ask for a made-to-fit quote.

## Dimensions, pin layouts and ordering



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



### ORDERING CODE

**M12B** - **5P** - **M** - **ST** - **FAS** - **PG7**

M12 B-coded      pins: 5      M = male, F = female      ST = straight, RA = right-angle      field-attachable, metal      PG7 or PG9 entry

Example: M12B-5P-M-ST-FAS-PG7 = 5-pin B-coded male straight field-attachable connector, metal shielded, PG7 cable entry.

### STANDARD CONFIGURATIONS (8)

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| M12B-5P-M-ST-FAS-PG7 | M12B-5P-F-ST-FAS-PG7 | M12B-5P-M-RA-FAS-PG7 | M12B-5P-F-RA-FAS-PG7 |
| M12B-5P-M-ST-FAS-PG9 | M12B-5P-F-ST-FAS-PG9 | M12B-5P-M-RA-FAS-PG9 | M12B-5P-F-RA-FAS-PG9 |