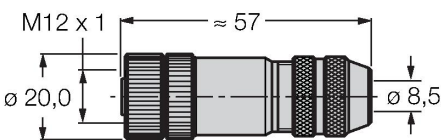


BMWS8151-8.5  
Field-Wireable Connector  
Female Connector M12 × 1, Straight



Technical data

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Type                                | BMWS8151-8.5                               |
| ID                                  | 6904721                                    |
| Connector A                         | Female, M12 × 1, Straight, B-coded         |
| Number of pins                      | 5                                          |
| Contacts                            | CuZn, Gold-plated                          |
| Contact carriers                    | Plastic, PA, Black                         |
| Connector body                      | Die-cast Zinc, GD-Zn, nickel-plated, Black |
| Coupling nut/screw                  | Die-cast Zinc, GD-Zn, Nickel-plated        |
| Seal                                | Plastic, FPM/FKM                           |
| Screw-in thread                     | M18 × 1                                    |
| External diameter of the cable      | 6...8.5 mm                                 |
| Core cross-section/Clamping ability | 0.14...0.75 mm²                            |
| Connection mode                     | Screw/clamp connection                     |
| Mechanical lifespan                 | > 100 Mating cycles                        |
| Protection class                    | IP67, (screwed together)                   |
| Network protocol                    | PROFIBUS-DP                                |
| Shielding                           | yes                                        |
| Electrical properties at +20 °C     |                                            |
| Rated voltage                       | 125 V                                      |
| Current                             | 4 A                                        |
| Insulation resistance               | ≥ 10 <sup>8</sup> Ω                        |
| forward resistance                  | ≤ 3 mΩ                                     |
| Mechanical and chemical properties  |                                            |
| Ambient temperature (fixed)         | -25...+85 °C                               |

Features



- For use in PROFIBUS-DP applications
- Up to 12 Mbps
- Shielding via iris spring connection
- B-coding
- Metal housing
- Screw-clamp terminal
- 5-pin
- M18 × 1 metric screw-in thread
- Cable diameter 6.0...8.5 mm

Contact assignment



## Technical data

### Note

- We reserve the right to make technical modifications without prior notice.