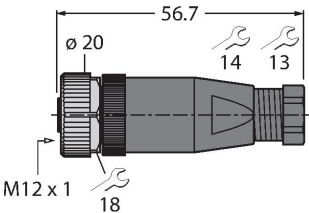


BM8151-0  
Field-Wireable Connector  
Female Connector M12 × 1, Straight



Technical data

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Type                                | BM8151-0                            |
| ID                                  | 6935888                             |
| Connector A                         | Female, M12 × 1, Straight, A-coded  |
| Number of pins                      | 5                                   |
| Contacts                            | CuZn, Optalloy Coating              |
| Contact carriers                    | Plastic, PA, Black                  |
| Connector body                      | Plastic, PA, Black                  |
| Coupling nut/screw                  | Die-cast Zinc, GD-Zn, Nickel-plated |
| Seal                                | Plastic, FPM/FKM                    |
| Screw-in thread                     | PG7                                 |
| External diameter of the cable      | 4...6 mm                            |
| Core cross-section/Clamping ability | 0.25...0.75 mm²                     |
| Connection mode                     | Screw/clamp connection              |
| Mechanical lifespan                 | > 50 Mating cycles                  |
| Protection class                    | IP67, (screwed together)            |
| Electrical properties at +20 °C     |                                     |
| Rated voltage                       | 60 V                                |
| Current                             | 4 A                                 |
| Insulation resistance               | ≥ 10 <sup>8</sup> Ω                 |
| forward resistance                  | ≤ 8 mΩ                              |
| Mechanical and chemical properties  |                                     |
| Ambient temperature (fixed)         | -40...+85 °C                        |
| Approvals                           | cULus recognized                    |

Features



- A-coding
- Metal coupling nut
- Screw-clamp terminal
- A-coding
- 5-pin
- PG7 screw-in thread
- Cable feedthrough 4.0...6.0 mm

Contact assignment

