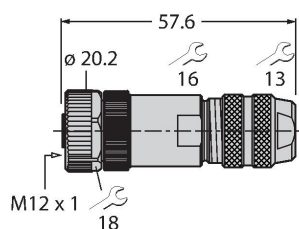


# CMB8181-0

## Accessories for Sensors and Actuators – Field-Wireable Connector

### Female Connector, M12 × 1, Straight



#### Technical data

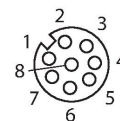
|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Type                                | CMB8181-0                           |
| ID no.                              | 6931450                             |
| Connector A                         | Female, M12 × 1, Straight           |
| Number of Pins                      | 8                                   |
| Contacts                            | CuZn, Gold-plated                   |
| Contact carriers                    | Plastic, PA, Black                  |
| Connector body                      | Die-cast Zinc, GD-Zn, Nickel-plated |
| Coupling nut                        | Die-cast Zinc, GD-Zn, Nickel-plated |
| Connector seal                      | Plastic, FPM/FKM                    |
| Panel seal                          | plastic, NBR                        |
| External diameter of the cable      | min. 6...8 mm                       |
| Core cross-section/Clamping ability | 0.14...0.5 mm <sup>2</sup>          |
| Connection mode                     | Screw/clamp connection              |
| Mechanical life                     | > 100 Mating cycles                 |
| Protection class (When coupled)     | IP67, (screwed together)            |
| Shield                              | no                                  |
| Electrical properties at +20 °C     |                                     |
| Rated voltage                       | 60 V                                |
| Current                             | 2 A                                 |
| Insulation resistance               | ≥ 10 <sup>8</sup> Ω                 |
| forward resistance                  | ≤ 3 mΩ                              |

#### Features



- A-coding
- Metal housing
- Shieldable
- Shield ring
- Die-cast threaded ring
- Screw-clamp terminal
- 8-pin
- Cable feedthrough 6...8 mm
- Core cross-section 0.14...0.50 mm<sup>2</sup>

#### Contact assignment



#### Pin Assignment

## Technical data

### Mechanical and chemical properties

|                                    |                 |
|------------------------------------|-----------------|
| Ambient temperature range (static) | -40 °C...+85 °C |
|------------------------------------|-----------------|

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