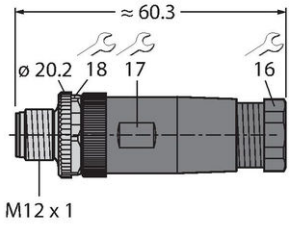
# BS8181-0
# Field-Wireable Connector
# Male Connector M12 × 1, Straight





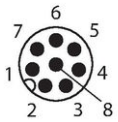

## Technical data

| | |
|---|---|
| Type | BS8181-0 |
| ID | 6901004 |
| **Connector A** | Male, M12 × 1, Straight, A-coded |
| Number of Pins | 8 |
| Contacts | CuZn, Gold-plated |
| Contact carriers | Plastic, PA, Black |
| Connector body | Plastic, PA, Black |
| Coupling nut/screw | Die-cast Zinc, GD-Zn, Nickel-plated |
| Screw-in thread seal | plastic, FPM/FKM |
| Screw-in thread | PG9 |
| External diameter of the cable | 6…8 mm |
| Core cross-section/Clamping ability | 0.14…0.5 mm² |
| Connection mode | Screw/clamp connection |
| Mechanical lifespan | > 100 Mating cycles |
| Protection class | IP67, (screwed together) |
| **Electrical properties at +20 °C** | |
| Rated voltage | 60 V |
| Current | 2 A |
| Insulation resistance | ≥ $10^8$ Ω |
| forward resistance | ≤ 3 mΩ |
| **Mechanical and chemical properties** | |
| Ambient temperature range (stationary) | -40…+85 °C |

## Features

- A-coding
- Metal coupling nut
- Screw-clamp terminal
- 8-pin
- PG9 screw-in thread
- Cable feedthrough 6.0…8.0 mm

## Contact assignment

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