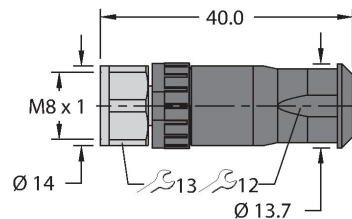


# FW-PRKPM0420-SA-S-0406

## Field-Wireable Connector

### Female Connector M8 × 1/Ø 8 mm, Straight



#### Technical data

|                                     |                                                              |
|-------------------------------------|--------------------------------------------------------------|
| Type                                | FW-PRKPM0420-SA-S-0406                                       |
| ID                                  | 100002293                                                    |
| Connector A                         | Female, M8 × 1, Straight                                     |
| Number of pins                      | 4                                                            |
| Contacts                            | CuZn, Gold-plated                                            |
| Contact carriers                    | Plastic, PA UL94-V0, Black                                   |
| Connector body                      | Plastic, PA6 GF, UL 94, Black                                |
| Coupling nut/screw                  | Brass, CuZn, Nickel-plated                                   |
| Seal                                | Plastic                                                      |
| Tightening torque (range)           | 0.4 ... 0.4 Nm<br>(observe max. torque of mating connector!) |
| External diameter of the cable      | 4...6 mm                                                     |
| Core cross-section/Clamping ability | 0.14...0.5 mm <sup>2</sup>                                   |
| Connection mode                     | Screw/clamp connection                                       |
| Mechanical lifespan                 | > 100 Mating cycles                                          |
| Protection class                    | IP67, (screwed together)                                     |
| Electrical properties at +20 °C     |                                                              |
| Rated voltage                       | 50 V <sub>AC</sub> /60 V <sub>DC</sub>                       |
| Current                             | 4 A                                                          |
| Insulation resistance               | ≥ 10 <sup>8</sup> Ω                                          |
| forward resistance                  | ≤ 3 mΩ                                                       |
| Mechanical and chemical properties  |                                                              |
| Ambient temperature (fixed)         | -40...+85 °C                                                 |
| Approvals                           | cULus                                                        |

#### Features



- A-coding
- Metal coupling nut
- Screw-clamp terminal
- 4-pin
- Cable feedthrough: 4.0...5.5 mm
- Terminal capacity: 0.14...0.5 mm<sup>2</sup>
- Approval: cULus

#### Contact assignment

