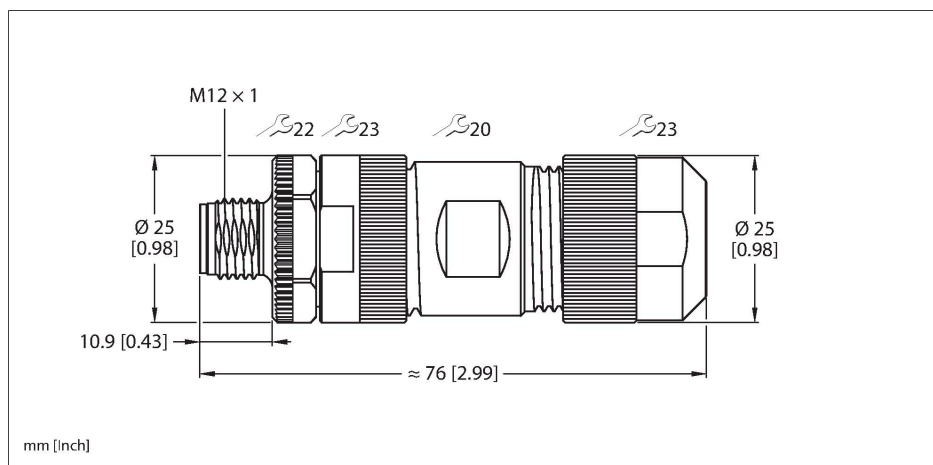


# RS56PK-S-0

## M12 Power – Field-Wireable Connector

### Male Connector M12 × 1, Straight



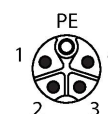
#### Technical data

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Type                               | RS56PK-S-0                          |
| ID no.                             | U2-33829                            |
| Connector A                        | Male, M12 × 1, Straight, K-coded    |
| Number of Pins                     | 4+PE                                |
| Contacts                           | CuZn, Gold-plated                   |
| Contact carriers                   | Plastic, PA UL94-V0, Black          |
| Connector body                     | Plastic, PA, Black                  |
| Coupling nut                       | Die-cast Zinc, GD-Zn, Nickel-plated |
| Connector seal                     | Plastic, FPM/FKM                    |
| Panel seal                         | plastic                             |
| External diameter of the cable     | min. 8...13 mm                      |
| 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                      | 630 V                               |
| Current                            | 12 A                                |
| Mechanical and chemical properties |                                     |
| Ambient temperature range (static) | -40 °C...+85 °C                     |

#### Features

- K-coding
- Metal retaining screw
- Screw-clamp terminal
- 5-pin (4+PE)
- Cable feedthrough: 8.0...13.0 mm
- Terminal capacity:
  - Max. 1.5 mm<sup>2</sup> or 16 AWG (with cable end sleeve)
  - Max. 2.5 mm<sup>2</sup> or 14 AWG (without cable end sleeve)

#### Contact assignment



## Technical data

### Note

- CAUTION: RISK OF ELECTRICAL SHOCK. DO NOT DISCONNECT UNDER LOAD.

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

## Derating Curve

