

## VK003D20

### Connection technology • Cable sockets / connectors for self-assembly

Cable socket, Angular, Suitable for self-assembly, Quick connection, Ø4-5.1mm, 4A, 32V, -25-85°C, M12 Female (socket) 4pin, IP67



ipf cable sockets are used primarily for establishing the electrical connection of sensors. Their features are characterized by rugged design, the highest protection classes (IP67 | IP68 | IP69K) and, if desired, with 360° shielding. With the features: bus-ready, suitable for use with drag chains and robots, resistance to oil and chemicals, resistance to welding sparks, their resistance to cleaning agents or high-pressure and steam-jet cleaning, the expanded temperature range of up to +230°C, the rapid interconnection technology and special data transmission properties, the cable sockets meet all requirements in automation technology.

#### Electrical features

|                                       |                  |
|---------------------------------------|------------------|
| Type of plug-in contact, A connection | Female (socket)  |
| Type of A electrical connection       | M12              |
| Type of B electrical connection       | Quick connection |
| Number of pins of A connection        | 4                |
| Ampacity                              | 4 A              |
| Operating voltage (AC 50Hz)           | 32 V             |
| Operating voltage (DC)                | 32 V             |

#### Mechanical features

|                               |                                      |
|-------------------------------|--------------------------------------|
| Wire cross section            | 0,25 - 0,5 mm <sup>2</sup>           |
| Cable infeed                  | angular                              |
| Coding of connection A        | A                                    |
| Degree of protection (IP)     | IP67                                 |
| Housing material              | Polyamide PA                         |
| Contact body material         | Plastic (PA)                         |
| Permitted cable diameter      | 4 - 5,1 mm                           |
| Material of the screw fitting | Zinc diecast, nickel-plated (n-pltd) |
| Contact material              | Brass, gold-plated                   |
| Ambient temperature           | -25 - 85 °C                          |

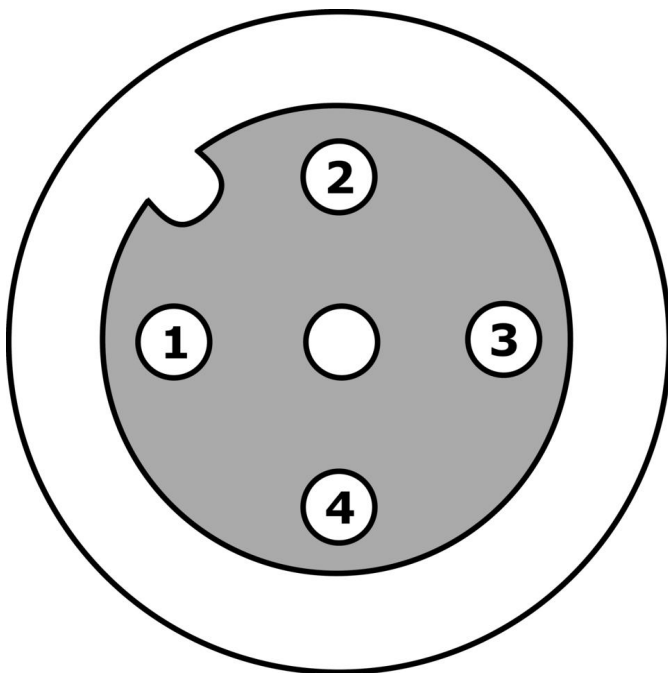
#### Classification

|        |  |
|--------|--|
| ETIM 8 | EC001855 Assembled sensor-actuator cable |
|--------|--|

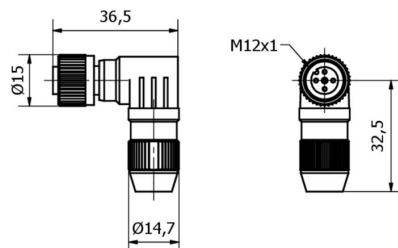
**More**

|                       |  |
|-----------------------|--|
| IPF Product Group     | 852 cable sockets / connectors (self-assembly) |
| packaging dimensions  | 120 x 100 x 12 mm                              |
| gross weight          | 25 g   |
| Customs tariff number | 85369010                                       |
| WEEE number           | 40951076                                       |
| OzDS-compliant        | Yes  |
| POP-compliant         | Yes  |
| Reach-compliant       | Yes  |
| RoHS-compliant        | Yes  |

**Connection**



**Dimensional drawing**



**Installation**

Mounting / installation may only be carried out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

**Safety warnings**

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.