

**Basic features**

|                            |               |
|----------------------------|---------------|
| <b>Approval/Conformity</b> | FDA compliant |
|                            | CE            |
|                            | EAC           |
|                            | Ecolab        |
|                            | WEEE          |

**Electrical data**

|   |                 |
|---|-----------------|
| <b>Cable rated voltage AC max.</b>        | 300 V           |
| <b>Cable rated voltage DC max.</b>        | 300 V           |
| <b>Operating voltage <math>U_b</math></b> | 30 VDC / 30 VAC |
| <b>Rated current (40 °C)</b>              | 2.0 A           |

**Electrical connection**

|  |  |
|--|--|
| <b>Bending radius min., fixed cable</b>    | 5 x D                                  |
| <b>Bending radius min., flexible cable</b> | 10 x D                                 |
| <b>Cable</b>                               | TPE-V gray, 0.6 m                      |
| <b>Cable diameter D</b>                    | 6.0 mm ±0.2 mm                         |
| <b>Conductor cross-section</b>             | 0.25 mm <sup>2</sup>                   |
| <b>Connection 1</b>                        | M12x1-Female, straight, 8-pin, A-coded |
| <b>Connection 2</b>                        | M12x1-Male, straight, 8-pin, A-coded   |
| <b>Number of conductors</b>                | 8                                      |
| <b>System</b>                              | Molded/Molded                          |

**Environmental conditions**

|  |                         |
|--|-------------------------|
| <b>Cable temperature, fixed routing</b>    | -50...105 °C            |
| <b>Cable temperature, flexible routing</b> | -25...105 °C            |
| <b>Protection degree</b>                   | IP67, IP69K/IP67, IP69K |

**Material**

|                                 |   |
|---------------------------------|---|
| <b>Cable jacket, material</b>   | TPE-V   |
| <b>Material contact carrier</b> | PP/PP   |
| <b>Material contacts</b>        | Bronze/Brass                                      |
| <b>Material cover nut</b>       | Stainless steel (1.4404)/Stainless steel (1.4404) |
| <b>Material grip</b>            | PP/PP   |

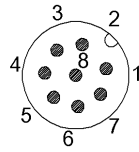
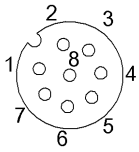
**Mechanical data**

|                                  |               |
|----------------------------------|---------------|
| <b>Cable jacket, color</b>       | gray          |
| <b>Cable length L</b>            | 0.60 m        |
| <b>Tightening torque pigtail</b> | 0.6 Nm/0.6 Nm |

**Remarks**

Halogen-free per DIN VDE 0472 Part 815  
 Halogen-free acc. to IEC 60754-1  
 LABS-free  
 Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

**Connector Drawings**



- |               |               |
|---------------|---------------|
| I             | II            |
| PIN 1: brown  | PIN 1: brown  |
| PIN 2: white  | PIN 2: white  |
| PIN 3: blue   | PIN 3: blue   |
| PIN 4: black  | PIN 4: black  |
| PIN 5: gray   | PIN 5: gray   |
| PIN 6: pink   | PIN 6: pink   |
| PIN 7: purple | PIN 7: purple |
| PIN 8: orange | PIN 8: orange |

**Wiring Diagrams**

