

Basic features

| | |
|---------------------|---------------------|
| Application | Welding area |
| Approval/Conformity | CE cULus WEEE |

Display/Operation

| | |
|----------------------------|------------|
| Function indicator (Pin 4) | LED yellow |
| Power indicator | Green LED |

Electrical connection

| | |
|-------------------------------------|---|
| Bending radius min., fixed cable | 5 x D |
| Bending radius min., flexible cable | 10 x D |
| Cable | PUR welding spark resistant Orange, 3 m, drag chain compatible |
| Cable diameter D | 4.00 mm ±0.10 mm |
| Cable, bending cycles min. | 10 mil. |
| Cable, torsion stress | ±360°/m |
| Conductor cross-section | 0.34 mm ² |
| Connection | M12x1-Female, angled, 5-pin, A-coded |
| Connector configuration | right-angle |
| Number of conductors | 3 |
| Number of pins | 5 |
| System | Molded |

Electrical data

| | |
|-----------------------|--------|
| Operating voltage Ub | 30 VDC |
| Rated current (40 °C) | 4.0 A |

Environmental conditions

| | |
|---|-------------------|
| Cable temperature UL max., fixed routing | 80 °C |
| Cable temperature UL max., flexible routing | 80 °C |
| Cable temperature, drag chain | -25...60 °C |
| Cable temperature, fixed routing | -50...90 °C |
| Cable temperature, flexible routing | -25...90 °C |
| IP rating | IP67, IP68, IP69K |

Interface

| | |
|------------------|------------------------|
| Switching output | PNP normally open (NO) |
|------------------|------------------------|

Material

| | |
|-----------------------------|-------------------------|
| Cable jacket material, note | welding spark resistant |
| Cable jacket, material | PUR |
| Material contact carrier | PUR |
| Material contacts | Bronze |
| Material cover nut | Die-cast zinc |
| Material grip | PUR |

Mechanical data

| | |
|---|-----------------------|
| Acceleration max., drag chain | 5 m/s ² |
| Cable jacket, color | Orange |
| Cable length L | 3.00 m |
| Cable properties | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m |
| Tightening torque pigtail | 0.6 Nm |
| Traverse speed max., drag chain | 200 m/min |
| Vertical travel permitted, drag chain | 2 m |

Remarks

Cable construction acc. to UL-AWM Style 20549

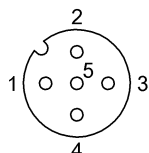
Halogen-free per DIN VDE 0472 Part 815

Silicone-free

Flame resistance per UL FT2

Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings

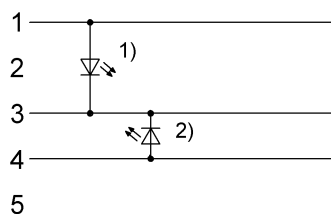


PIN 1: brown

PIN 3: blue

PIN 4: black

Wiring Diagrams



1) Green LED = Power

2) Yellow LED = Function