

Basic features

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|---------------------|------------|
| Approval/Conformity | CE WEEE |
|---------------------|------------|

Electrical connection

| | |
|-------------------------------------|---------------------------------------|
| Bending radius min., fixed cable | 4 x D |
| Bending radius min., flexible cable | 7.5 x D |
| Cable | PUR black, 5 m, drag chain compatible |
| Cable diameter D | 7.40 mm ±0.20 mm |
| Cable, bending cycles min. | 10 mil. |
| Conductor cross-section | 1.5 mm ² |
| Connection | M12x1-Male, angled, 5-pin, L-coded |
| Connector configuration | right-angle |
| Number of conductors | 4 |
| Number of pins | 5 |
| System | Molded |

Electrical data

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|-----------------------|-----------------|
| Operating voltage Ub | 60 VDC / 50 VAC |
| Rated current (40 °C) | 16.0 A |

Environmental conditions

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|-------------------------------------|-------------------|
| Cable temperature, drag chain | -20...60 °C |
| Cable temperature, fixed routing | -40...80 °C |
| Cable temperature, flexible routing | -30...80 °C |
| IP rating | IP65, IP67, IP69K |

Material

| | |
|--------------------------|---------------------------|
| Cable jacket, material | PUR |
| Material contact carrier | PBT |
| Material contacts | Copper alloy, gold plated |
| Material cover nut | Brass nickel-plated |
| Material grip | TPE |

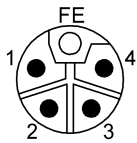
Mechanical data

| | |
|---|-----------------------|
| Acceleration max., drag chain | 50 m/s ² |
| Cable jacket, color | black |
| Cable length L | 5.00 m |
| Cable properties | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m |
| Tightening torque pigtail | 0.6 Nm |
| Traverse speed max., drag chain | 300 m/min |

Remarks

Cable construction acc. to UL-AWM Style 20939
Flame resistance acc. to IEC 60332-1
Flame resistance per IEC 60332-1-2
Flame resistance acc. to UL 1581/1080 VW-1
Halogen-free per DIN VDE 0472 Part 815
Silicone-free
Oil resistant per DIN EN 60811-404 (VDE 0473-811-404)
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



- PIN 1: brown
- PIN 2: white
- PIN 3: blue
- PIN 4: black
- PIN 5: not used

Wiring Diagrams

