

Basic features

Approval/Conformity	CE cULus UKCA WEEE
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Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR Shielded black, 5 m, drag chain compatible
Cable diameter D	6.00 mm ±0.15 mm
Cable, bending cycles min.	2 mil.
Conductor cross-section	0.25 mm ²
Connection	M12x1-Female, straight, 8-pin, A-coded
Connector configuration	Straight
Number of conductors	8
Number of pins	8
System	Molded

Electrical data

Operating voltage U_b	30 VDC / 30 VAC
Rated current (40 °C)	2.0 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

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Copper braid, tin-plated
Material contact carrier	PUR
Material contacts	Bronze
Material cover nut	Brass nickel-plated
Material grip	PUR

Mechanical data

Acceleration max., drag chain	5 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	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

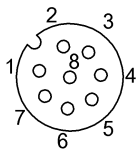
Silicone-free

Flame resistance per UL FT2

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

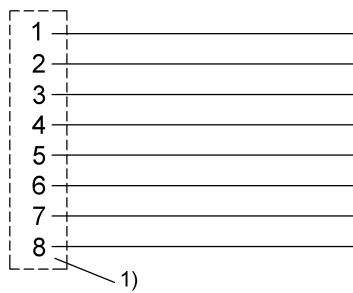
The cables are for signal distribution in the industrial application area of sensor and automation technology and are not intended for private use. It is a finished product that includes plugs, cables, and open wire ends. Depending on the configuration and application area, additional legal, normative, and Occupational Health and Safety Requirements must be met by the customer. Work on electrical equipment may only be carried out by qualified electricians.

Connector Drawings



- PIN 1: white
- PIN 2: brown
- PIN 3: green
- PIN 4: yellow
- PIN 5: gray
- PIN 6: pink
- PIN 7: blue
- PIN 8: red

Wiring Diagrams (Schematic)



1) Shield on cover nut