

Basic features

Approval/Conformity	CE cULus EAC WEEE
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Electrical connection

Bending radius min., fixed cable	7.5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR Shielded violet, 10 m, Drag chain compatible
Cable diameter D	7.80 mm ±0.20 mm
Cable, bending cycles min.	5 million
Conductor cross-section	24 AWG
Connection	M12x1-Female, right-angle, 5-pin, B-coded
Connector configuration	right-angle
Number of conductors	2
Number of pins	5
System	Molded

Electrical data

Conductor resistance	≤ 82.0 Ohm/km
Isolation resistance	≥ 1 GOhm x km
Operating capacitance	nom. 30pF/m at 800Hz
Operating voltage Ub	60 VDC / 60 VAC
Rated current (40 °C)	4.0 A
Surge impedance	150 Ohm ±15 Ohm

Environmental conditions

Cable temperature, drag chain	-20...50 °C
Cable temperature, fixed routing	-40...70 °C
Cable temperature, flexible routing	-20...60 °C
Protection degree	IP67

Material

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

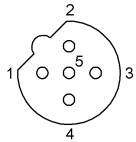
Mechanical data

Acceleration max., drag chain	10 m/s ²
Cable jacket, color	violet
Cable length L	10.00 m
Cable properties	Drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.6 Nm
Traverse speed max., drag chain	330 m/min

Remarks

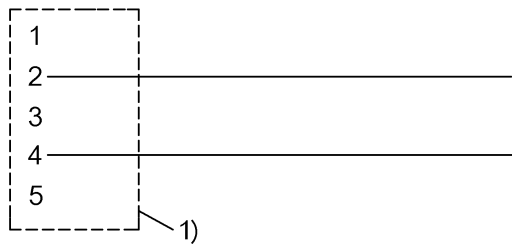
Cable construction acc. to UL-AWM Style 20236
Halogen-free
Silicone-free
Flame resistance acc. to FT1
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings



PIN 2: green
PIN 4: red

Wiring Diagrams



1) Shield on cover nut