

Basic features

Application	Profibus
Approval/Conformity	CE cULus WEEE

Electrical connection

Bending radius min., fixed cable	7.5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR Shielded violet, 0.3 m, drag chain compatible
Cable diameter D	7.80 mm ±0.20 mm
Cable, bending cycles min.	5 mil.
Conductor cross-section	24 AWG
Connection	M12x1-Female, straight, 5-pin, B-coded
Connector configuration	Straight
Number of conductors	2
Number of pins	5
System	Molded

Electrical data

Isolation resistance	≥ 1 GOhm x km
Operating voltage U_b	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
IP rating	IP67

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Aluminum foil and copper braid
Material contact carrier	PUR
Material contacts	Bronze
Material cover nut	Brass nickel-plated
Material grip	PUR

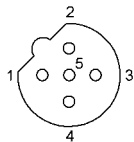
Mechanical data

Acceleration max., drag chain	10 m/s ²
Cable jacket, color	violet
Cable length L	0.30 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

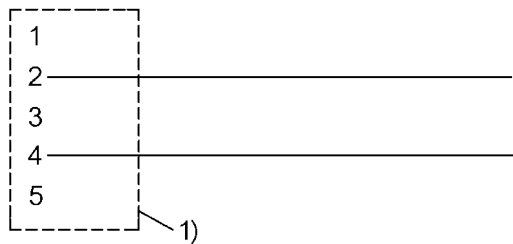
Cable construction acc. to UL-AWM Style 20236
Halogen-free
Silicone-free
Flame resistance acc. to FT1
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings



L
PIN 2: green
PIN 4: red

Wiring Diagrams



1) Shield on cover nut