

Basic features

Application	DeviceNet Thin
Approval/Conformity	CE cULus WEEE

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR Shielded violet, 3 m, drag chain compatible
Cable diameter D	7.20 mm ±0.30 mm
Cable, bending cycles min.	1 mil.
Conductor cross-section	22 AWG/24 AWG
Connection	M12x1-Female, straight, 5-pin, A-coded
Connector configuration	Straight
Number of conductors	4
Number of pins	5
System	Molded

Electrical data

Conductor construction	2x2 twisted-pair
Operating voltage Ub	60 VDC / 60 VAC
Rated current (40 °C)	4.0 A
Surge impedance	120 Ohm ±12 Ohm

Remarks

Cable construction acc. to UL-AWM Style 20236
 Flame resistance acc. to IEC 60332-1 and VW1 UL1581
 Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Environmental conditions

Cable temperature, fixed routing	-40...80 °C
Cable temperature, flexible routing	-20...80 °C
IP rating	IP67, IP68, IP69K

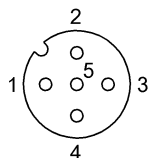
Material

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	Die-cast zinc
Material grip	PUR

Mechanical data

Acceleration max., drag chain	5 m/s ²
Cable jacket, color	violet
Cable length L	3.00 m
Cable properties	drag chain compatible
Tightening torque pigtail	0.6 Nm
Traverse speed max., drag chain	200 m/min

Connector Drawings



PIN 1: shield

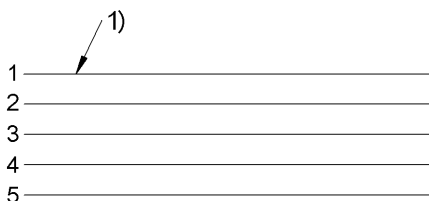
PIN 2: red (AWG22)

PIN 3: black (AWG22)

PIN 4: white (AWG24)

PIN 5 blue (AWG24)

Wiring Diagrams



1) Shield on PIN 1