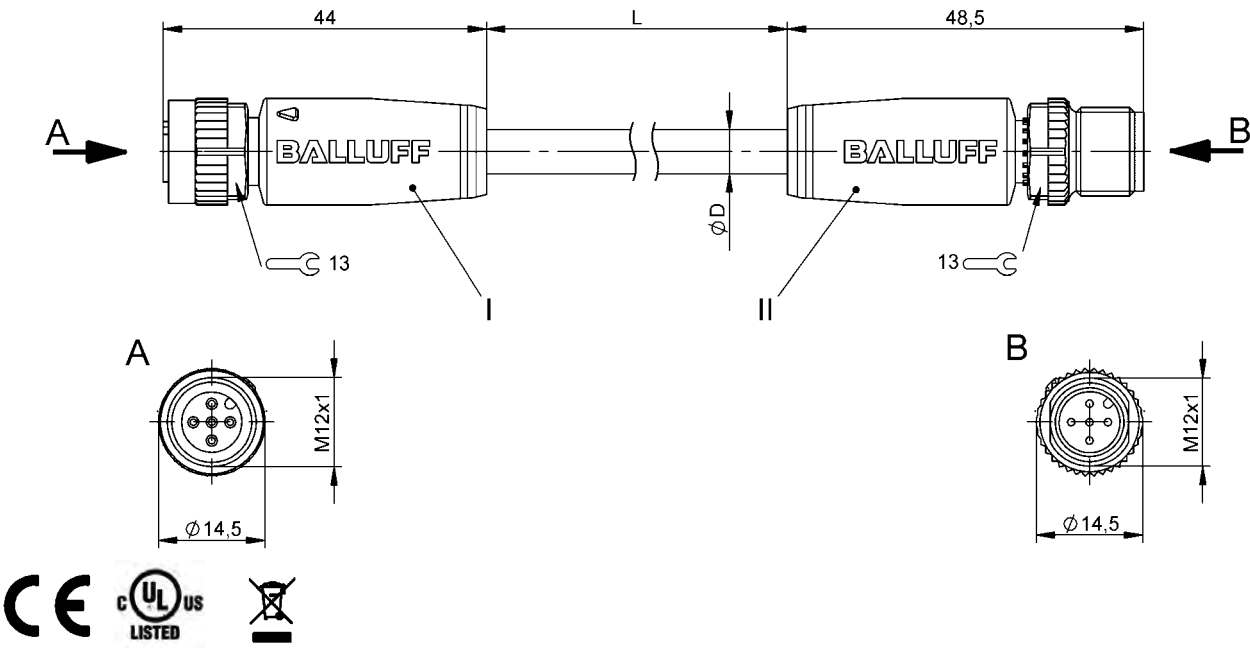




Basic features

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, 1 m, drag chain compatible
Cable diameter D	7.20 mm $\pm$ 0.30 mm
Cable, bending cycles min.	1 mil.
Conductor cross-section	22 AWG/24 AWG
Connection 1	M12x1-Female, straight, 5-pin, A-coded
Connection 2	M12x1-Male, straight, 5-pin, A-coded
Number of conductors	4
System	Molded/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 $\pm$ 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/IP67, IP68, IP69K

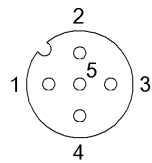
Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Aluminum foil and copper braid
Material contact carrier	PUR/PUR
Material contacts	Bronze/Brass
Material cover nut	Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR

Mechanical data

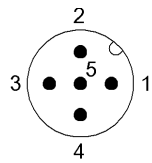
Acceleration max., drag chain	5 m/s ²
Cable jacket, color	violet
Cable length L	1.00 m
Cable properties	drag chain compatible
Tightening torque pigtail	0.6 Nm/0.6 Nm
Traverse speed max., drag chain	200 m/min

Connector Drawings



I

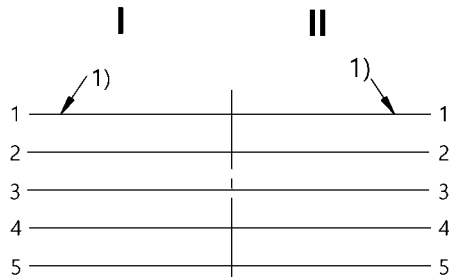
PIN 1: shield
PIN 2: red (AWG22)
PIN 3: black (AWG22)
PIN 4: white (AWG24)
PIN 5 blue (AWG24)



II

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