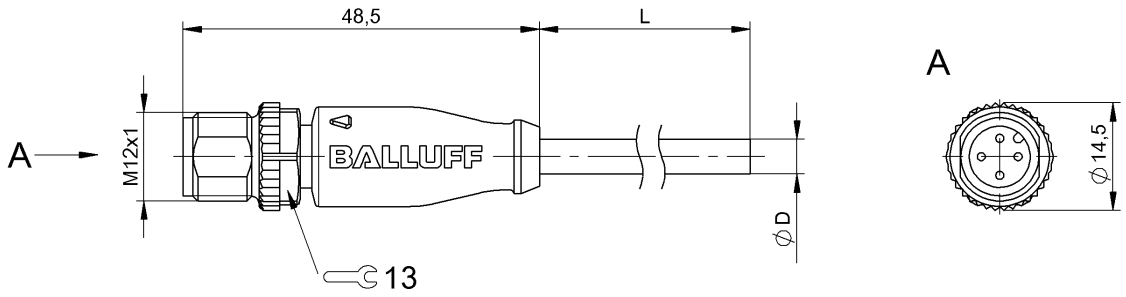
Single-Ended Cordsets

BCC M414-0000-2A-003-PX0434-020
Order Code: BCC031N



Basic features

Approval/Conformity	CE cULus EAC WEEE

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR black, 2 m, drag chain compatible
Cable diameter D	4.70 mm ±0.20 mm
Cable, bending cycles min.	5 mil.
Conductor cross-section	0.34 mm²
Connection	M12x1-Male, Straight, 4-pin, A-coded
Connector configuration	Straight
Number of conductors	4
Number of pins	4
System	Molded

Electrical data

Operating voltage Ub	250 VDC / 250 VAC
Rated current (40 °C)	4.0 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, IP68, IP69K

Interface

Switching output	Complementary

Material

Cable jacket, material	PUR
Material contact carrier	PUR
Material contacts	Brass
Material cover nut	Die-cast zinc
Material grip	PUR

Mechanical data

Acceleration max., drag chain	5 m/s²
Cable jacket, color	black
Cable length L	2.00 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	5 m

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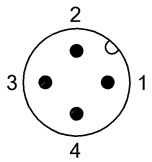
Remarks

Cable construction acc. to UL-AWM Style 20549
Halogen-free per DIN VDE 0472 Part 815
Silicone-free
Flame-retarding acc. to IEC 60332-2
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



PIN 1: brown
PIN 2: white
PIN 3: blue
PIN 4: black

Wiring Diagrams

