

- Male M12
- straight

**General attributes**

Additional features	Drag chain compatible
Approvals / Conformity	cULus LISTED
Cable jacket color	black
Enclosure Type per IEC 60529	IP68
Function indicator (PIN 2)	No
Function indicator (PIN 4)	No
Power indicator	No

Electrical attributes

Operating voltage UB max. AC [V]	250.0 V
Operating voltage UB max. DC [V]	250.0 V
Rated current (40°C)	4.0 A
Switching function	Complementary (NO/NC)
Switching output	No

Mechanical attributes

Acceleration max. (drag chain)	5 m/s ²
Ambient temp. max. (fixed)	90 °C (UL 80 °C)
Ambient temp. max. (moving)	90 °C (UL 80 °C)
Ambient temp. max.(drag chain)	60 °C
Ambient temp. min. (fixed)	-50 °C
Ambient temp. min. (moving)	-25 °C
Ambient temp. min.(drag chain)	-25 °C
Bending cycles	> 5 Mio.
Bending radius fixed cable	min. 5 x D

Bending radius tensioned cable	min. 10 x D
Cable diameter D	4.7 +/- 0.20 mm
Cable jacket material	PUR
Cable length L [m]	5.00 m
Conductor cross-section	0.34 mm ²
Connector configuration	straight
Connector type	M12x1
Connector type (Header I)	Male M12
Contact material	CuSn
Cover nut material	GD-Zn
Drag chain compatible	Yes
Grip material	PUR
Number of conductors	4
Number of female/male pins	4
Permiss.horizon. traverse dist	at 5 m/sec ² 5 m
Permiss.vert. traverse dist	at 5 m/sec ² 2 m
System	molded
Tightening torque pigtail	0.6 Nm
Traverse speed max(drag chain)	at 5 m horiz. travel 200 m/min

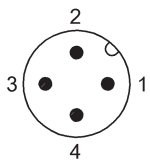
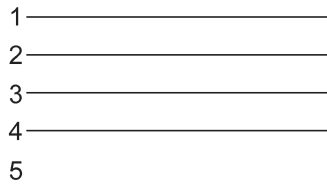
Additional text

Flame resistant per IEC 332-2
 Halogen-free per IEC 60754-1
 Enclosure type accord. to IEC 60529, when threaded together with the appropriate counterpart.
 Raw Cable Approval UL+CSA, UL-AWM Style 21198 or 20549

Connector/cable

BCC M414-0000-2A-003-PX0434-050

Order code: BCC031P



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