



- Female M12
- Male M12
- 90°angle / straight



General attributes

| | |
|------------------------------|-----------------------|
| Additional features | Drag chain compatible |
| Approvals / Conformity | cULus LISTED |
| Cable jacket color | black |
| Enclosure Type per IEC 60529 | IP67 / 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] | 3.00 m |
| Conductor cross-section | 0.34 mm ² |
| Connector configuration | 90°angle / straight |
| Connector type | M12x1 / M12x1 |
| Connector type (Header I) | Female M12 |
| Connector type (Header II) | Male M12 |
| Contact material | CuSn / CuZn |
| Cover nut material | GD-Zn |
| Drag chain compatible | Yes |
| Grip material | PUR |
| Number of conductors | 4 |
| Number of female/male pins | 5 / 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 / molded |
| Tightening torque pigtail | 0.6 Nm / 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 M425-M414-3A-304-PX0434-030

Order code: BCC03AF

