

Basic features

| | |
|---------------------|---------------------|
| Application | Welding area |
| 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 welding spark resistant black, 1 m, drag chain compatible |
| Cable diameter D | 4.30 mm ±0.10 mm |
| Cable, bending cycles min. | 10 mil. |
| Cable, torsion stress | ±360°/m |
| Conductor cross-section | 0.34 mm ² |
| Connection 1 | M8x1-Female, straight, 4-pin, A-coded |
| Connection 2 | M12x1-Male, straight, 4-pin, A-coded |
| Number of conductors | 4 |
| System | Molded/Molded |

Electrical data

| | |
|-----------------------|-----------------|
| Operating voltage Ub | 60 VDC / 60 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, IP69K/IP67, IP68, IP69K |

Interface

| | |
|------------------|---------------|
| Switching output | Complementary |
|------------------|---------------|

Material

| | |
|-----------------------------|--|
| Cable jacket material, note | welding spark resistant |
| Cable jacket, material | PUR |
| Material contact carrier | PUR/PUR |
| Material contacts | Bronze/Brass |
| Material cover nut | Die-cast zinc or nickel plated brass/Die-cast zinc |
| Material grip | PUR/PUR |

Double-Ended Cordsets
BCC M314-M414-3E-304-PW0434-010
Order Code: BCC0FT3



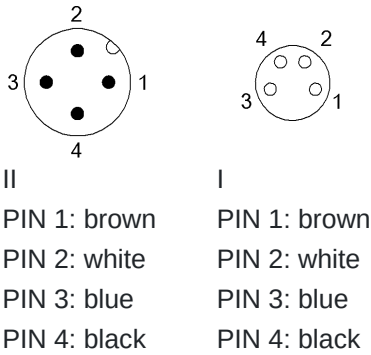
Mechanical data

| | |
|--|---|
| <p>Acceleration max., drag chain 5 m/s²</p> <p>Cable jacket, color black</p> <p>Cable length L 1.00 m</p> <p>Cable properties drag chain compatible</p> | <p>Horizontal travel permitted, drag chain 5 m</p> <p>Tightening torque pigtail 0.4 Nm/0.6 Nm</p> <p>Traverse speed max., drag chain 200 m/min</p> <p>Vertical travel permitted, drag chain 2 m</p> |
|--|---|

Remarks

Cable construction acc. to UL-AWM Style 20549
 Halogen-free per DIN VDE 0472 Part 815
 Silicone-free
 Flame resistance per UL FT2
 Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



Wiring Diagrams

