

**Basic features**

|                     |                   |
|---------------------|-------------------|
| Approval/Conformity | CE<br>EAC<br>WEEE |
|---------------------|-------------------|

**Electrical connection**

|                                     |  |
|-------------------------------------|--|
| Bending radius min., fixed cable    | 5 x D                                    |
| Bending radius min., flexible cable | 10 x D                                   |
| Cable                               | PUR black, 3.00 m, Drag chain compatible |
| Cable diameter D                    | 4.60 mm ±0.20 mm                         |
| Cable, bending cycles min.          | 2 million                                |
| Conductor cross-section             | 0.50 mm <sup>2</sup>                     |
| Connection 1                        | B, Ind.-180°-Female, angled, 3-pin       |
| Connection 2                        | M12x1-Male, straight, 3-pin, A-coded     |
| Number of conductors                | 3  |
| System                              | Molded/Molded                            |

**Electrical data**

|                                  |                  |
|----------------------------------|------------------|
| Operating voltage U <sub>b</sub> | 24 VDC / 24 VAC  |
| Rated current (40 °C)            | 4.0 A            |
| Suppressor                       | Suppressor diode |

**Environmental conditions**

|                                     |                  |
|-------------------------------------|------------------|
| Cable temperature, drag chain       | -25...60 °C      |
| Cable temperature, fixed routing    | -50...80 °C      |
| Cable temperature, flexible routing | -25...80 °C      |
| Protection degree                   | IP67/IP67, IP69K |

**Material**

|                          |                        |
|--------------------------|------------------------|
| Cable jacket, material   | PUR                    |
| Material contact carrier | PBT/TPU                |
| Material contacts        | Brass/Bronze           |
| Material cover nut       | Brass<br>nickel plated |
| Material grip            | PUR/PUR                |
| Material locking screw   | Steel                  |

Double-Ended Cordsets  
**BCC VB63-M413-3E-666-PX0350-030**  
**Order Code: BCC065C**



**Mechanical data**

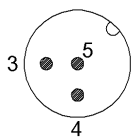
|                               |                       |
|-------------------------------|-----------------------|
| Acceleration max., drag chain | 5 m/s <sup>2</sup>    |
| Cable jacket, color           | black                 |
| Cable length L                | 3.00 m                |
| Cable properties              | Drag chain compatible |

|   |               |
|---|---------------|
| Horizontal travel permitted, drag chain | 5 m           |
| Tightening torque pigtail               | 0.5 Nm/0.6 Nm |
| Traverse speed max., drag chain         | 200 m/min     |
| Vertical travel permitted, drag chain   | 2 m           |

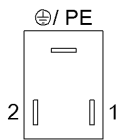
**Remarks**

Cable construction acc. to UL-AWM Style 20549  
 Halogen-free acc. to EN 50267-2-1  
 Silicone-free  
 Flame resistance per IEC 60332-2-2  
 \* style B industry standard  
 Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

**Connector Drawings**



II  
 PIN 3: blue  
 PIN 4: brown  
 PIN 5: green/yellow



I  
 PIN 1: brown  
 PIN 2: blue  
 PIN PE: green/yellow

**Wiring Diagrams**

