

Single-Ended Cordsets  
BCC M415-0000-1A-004-VX43T2-050  
Order Code: BCC05FZ



Basic features

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

Display/Operation

|                            |            |
|----------------------------|------------|
| Function indicator (Pin 4) | LED yellow |
| Power indicator            | Green LED  |

Electrical connection

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                  |
| Bending radius min., flexible cable | 10 x D                                 |
| Cable                               | PVC Yellow, 5 m, drag chain compatible |
| Cable diameter D                    | 4.70 mm ±0.15 mm                       |
| Cable, bending cycles min.          | 2 mil.                                 |
| Conductor cross-section             | 22 AWG                                 |
| Connection                          | M12x1-Female, straight, 5-pin, A-coded |
| Connector configuration             | Straight                               |
| Number of conductors                | 3                                      |
| Number of pins                      | 5                                      |
| System                              | Molded                                 |

Electrical data

|                             |        |
|-----------------------------|--------|
| Cable rated voltage AC max. | 300 V  |
| Cable rated voltage DC max. | 300 V  |
| Operating voltage Ub        | 30 VDC |
| Rated current (40 °C)       | 4.0 A  |

Environmental conditions

|                                     |                   |
|-------------------------------------|-------------------|
| Cable temperature, drag chain       | -5...60 °C        |
| Cable temperature, fixed routing    | -40...105 °C      |
| Cable temperature, flexible routing | -5...105 °C       |
| IP rating                           | IP67, IP68, IP69K |

Interface

|                  |                        |
|------------------|------------------------|
| Switching output | PNP normally open (NO) |
|------------------|------------------------|

Material

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

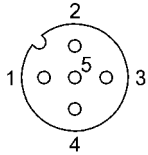
Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | Yellow                |
| Cable length L                          | 5.00 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   | 2 m                   |

#### Remarks

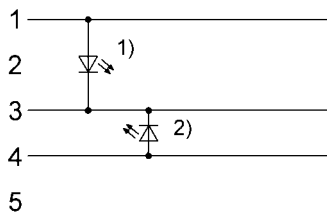
Bulk cable approval per UL-AWM Style 2661 & CSA AWM I/II A/B  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

#### Connector Drawings



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

#### Wiring Diagrams



1) Green LED = Power  
2) Yellow LED = Function