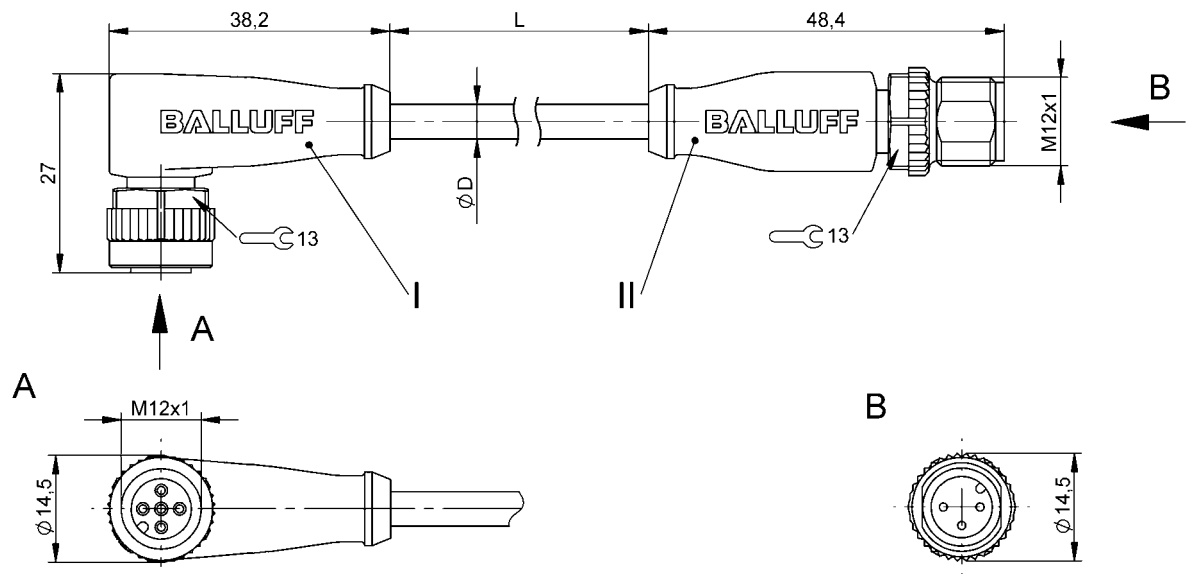


Double-Ended Cordsets  
BCC M425-M413-3A-602-PX43T2-015  
Order Code: BCC08AE

**BALLUFF**



Basic features

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

Display/Operation

|                            |              |
|----------------------------|--------------|
| Function indicator (Pin 4) | LED yellow   |
| Power indicator            | LED green/no |

Electrical connection

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                    |
| Bending radius min., flexible cable | 10 x D                                   |
| Cable                               | PUR Yellow, 1.5 m, drag chain compatible |
| Cable diameter D                    | 4.30 mm ±0.20 mm                         |
| Cable, bending cycles min.          | 5 mil.                                   |
| Conductor cross-section             | 22 AWG                                   |
| Connection 1                        | M12x1-Female, angled, 5-pin, A-coded     |
| Connection 2                        | M12x1-Male, straight, 3-pin, A-coded     |
| Number of conductors                | 3                                        |
| System                              | Molded/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 UL max., fixed routing    | 80 °C                               |
| Cable temperature UL max., flexible routing | 80 °C                               |
| Cable temperature, fixed routing            | -50...90 °C                         |
| Cable temperature, flexible routing         | -25...90 °C                         |
| IP rating                                   | IP67, IP68, IP69K/IP67, IP68, IP69K |

Interface

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

Material

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

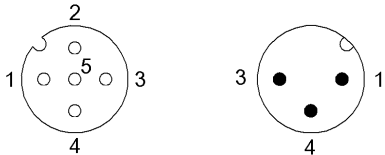
Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | Yellow                |
| Cable length L                          | 1.50 m                |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm/0.6 Nm         |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 2 m                   |

Remarks

Bulk cable approval per UL+CSA, UL-AWM Style 21198 or 20549  
Halogen-free per DIN VDE 0472 Part 815  
Flame resistance acc. to FT1  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

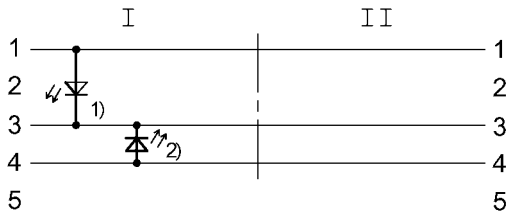
Connector Drawings



I  
PIN 1: brown  
PIN 2: not used  
PIN 3: blue  
PIN 4: black  
PIN 5: not used

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

Wiring Diagrams



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