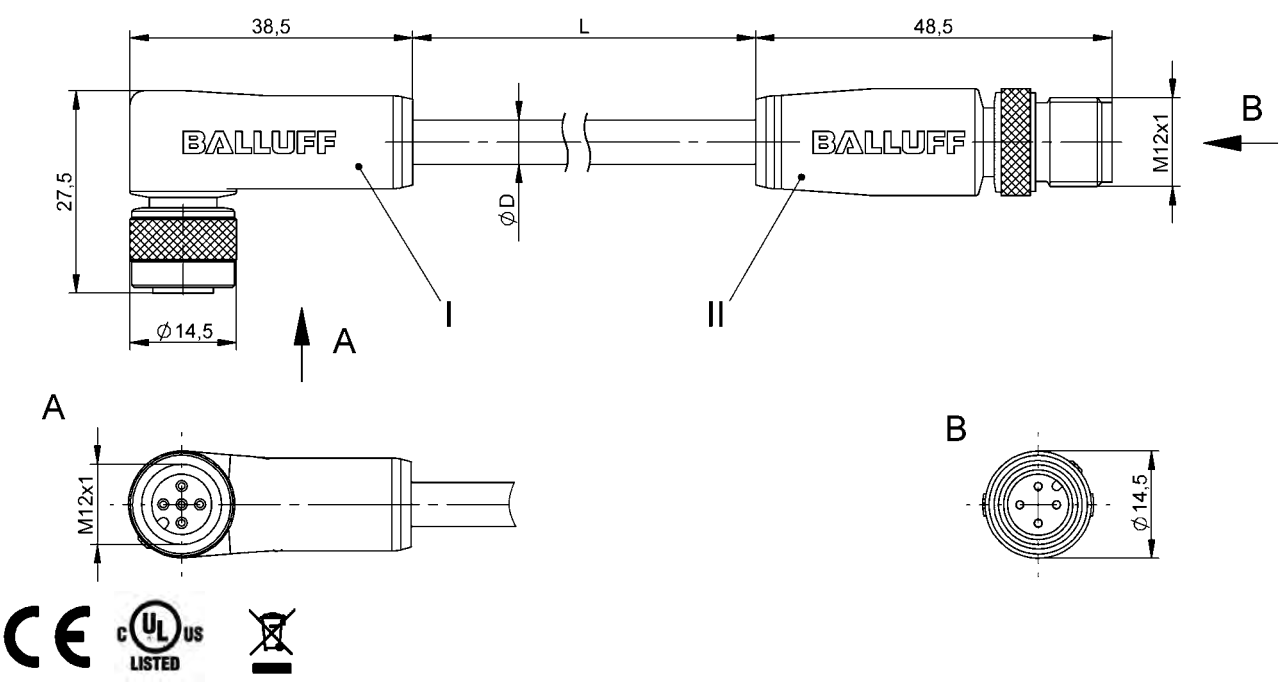


Double-Ended Cordsets  
BCC W425-W414-3A-650-TW0434-003  
Order Code: BCC0H54



Basic features

|                     |                     |
|---------------------|---------------------|
| Application         | Welding area        |
| Approval/Conformity | CE<br>cULus<br>WEEE |

Display/Operation

|                            |              |
|----------------------------|--------------|
| Function indicator (Pin 2) | LED white    |
| Function indicator (Pin 4) | LED yellow   |
| Power indicator            | LED green/no |

Electrical connection

|                                     |                                             |
|-------------------------------------|---------------------------------------------|
| Bending radius min., fixed cable    | 7.5 x D                                     |
| Bending radius min., flexible cable | 15 x D                                      |
| Cable                               | FEP welding spark resistant black,<br>0.3 m |
| Cable diameter D                    | 4.10 mm ±0.30 mm                            |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                        |
| Connection 1                        | M12x1-Female, angled, 5-pin, A-<br>coded    |
| Connection 2                        | M12x1-Male, straight, 4-pin, A-<br>coded    |
| Number of conductors                | 4                                           |
| System                              | Molded/Molded                               |

Electrical data

|                                  |        |
|----------------------------------|--------|
| Operating voltage U <sub>b</sub> | 30 VDC |
| Rated current (40 °C)            | 4.0 A  |

Environmental conditions

|                                  |               |
|----------------------------------|---------------|
| Cable temperature, fixed routing | -100...200 °C |
| Connector 01, temperature max.   | 100 °C        |
| IP rating                        | IP65/IP65     |

Interface

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

Material

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Cable jacket material, note | welding spark resistant                   |
| Cable jacket, material      | FEP                                       |
| Material contact carrier    | PUR, special/PUR, special                 |
| Material contacts           | Bronze/Brass                              |
| Material cover nut          | Brass<br>PTFE coated/Brass<br>PTFE coated |
| Material grip               | PUR, special/PUR, special                 |

Mechanical data

|                           |               |
|---------------------------|---------------|
| Cable jacket, color       | black         |
| Cable length L            | 0.30 m        |
| Tightening torque pigtail | 0.6 Nm/0.6 Nm |

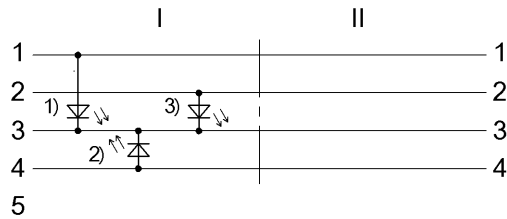
Remarks

Cable construction acc. to UL-AWM Style 2749  
Maximum temperature at outer jacket from weld spatter/beads short-time 800°C.  
Flame-retarding  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings



Wiring Diagrams



- 1) Green LED = Power  
2) Yellow LED = Function  
3) LED white = Function