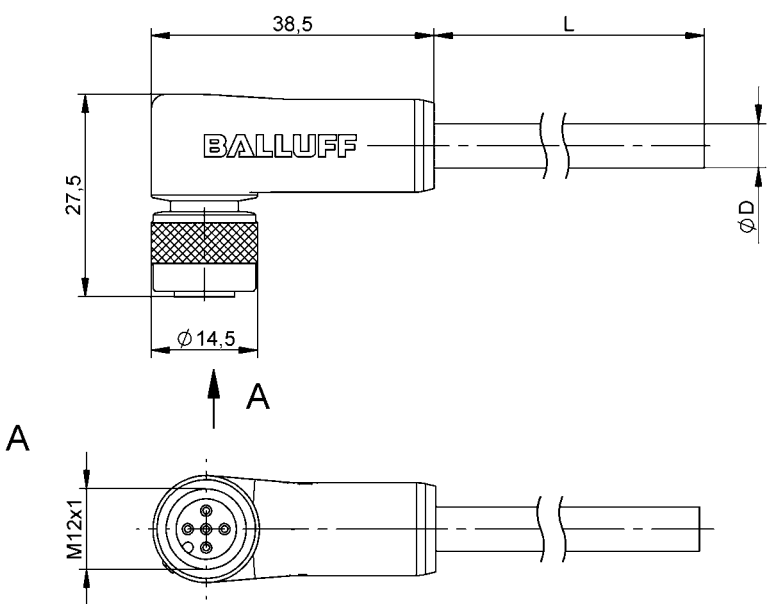


Single-Ended Cordsets  
BCC W425-0000-1A-010-BW8434-020  
Order Code: BCC0KCC



Basic features

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

Display/Operation

|                            |            |
|----------------------------|------------|
| Function indicator (Pin 2) | LED white  |
| Function indicator (Pin 4) | LED yellow |
| Power indicator            | Green LED  |

Electrical connection

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Bending radius min., fixed cable    | 8 x D                                    |
| Bending radius min., flexible cable | 15 x D                                   |
| Cable                               | TPE welding spark resistant gray,<br>2 m |
| Cable diameter D                    | 4.80 mm ±0.20 mm                         |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                     |
| Connection                          | M12x1-Female, angled, 5-pin, A-<br>coded |
| Connector configuration             | right-angle                              |
| Number of conductors                | 4                                        |
| Number of pins                      | 5                                        |
| System                              | Molded                                   |

Electrical data

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

Environmental conditions

|                                     |              |
|-------------------------------------|--------------|
| Cable temperature, fixed routing    | -50...130 °C |
| Cable temperature, flexible routing | -40...125 °C |
| IP rating                           | IP65         |

Interface

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

Material

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

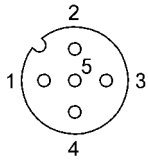
Mechanical data

|                           |        |
|---------------------------|--------|
| Cable jacket, color       | gray   |
| Cable length L            | 2.00 m |
| Tightening torque pigtail | 0.6 Nm |

Remarks

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

## Connector Drawings



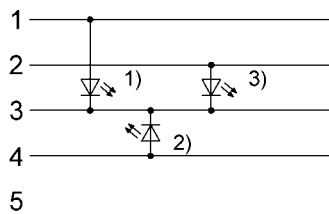
PIN 1: brown

PIN 2: white

PIN 3: blue

PIN 4: black

## Wiring Diagrams



1) Green LED = Power

2) Yellow LED = Function

3) LED white = Function