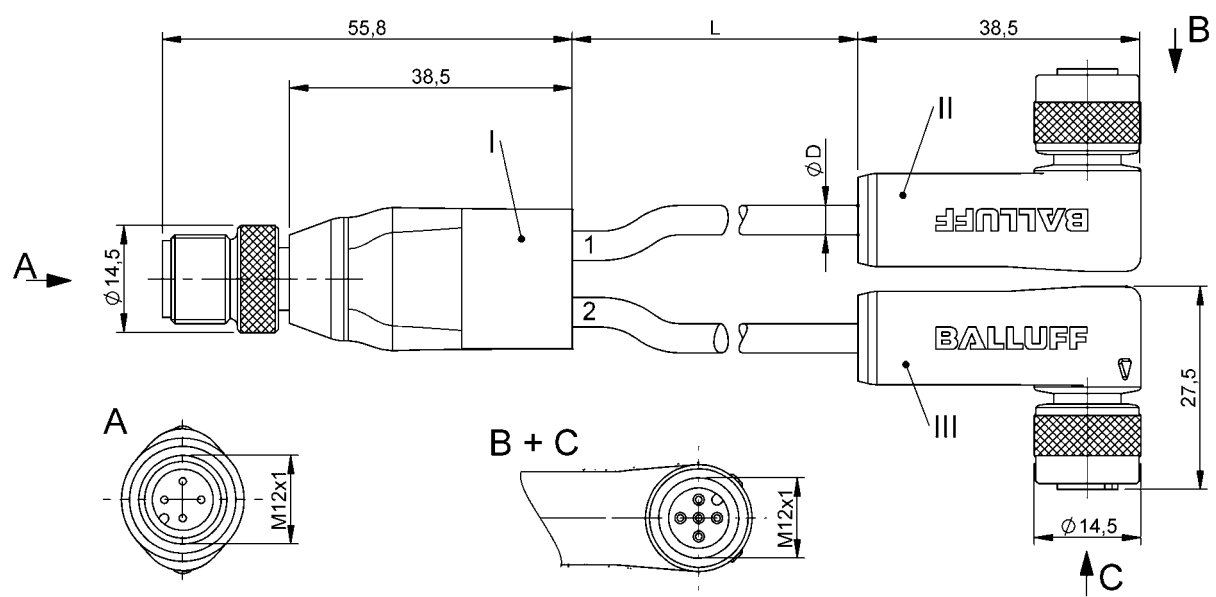


Y-Splitters

BCC W414-W425-W425-U2048-006

Order Code: BCC0EFK

**BALLUFF**



Basic features

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

Electrical connection

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Bending radius min., fixed cable    | 7.5 x D                              |
| Bending radius min., flexible cable | 15 x D                               |
| Cable diameter D                    | 3.75 mm ±0.25 mm                     |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                 |
| Connection 1                        | M12x1-Male, straight, 4-pin, A-coded |
| Connection 2                        | M12x1-Female, angled, 5-pin, A-coded |
| Connection 3                        | M12x1-Female, angled, 5-pin, A-coded |
| Connector 01, version               | straight                             |
| Connector 02, version               | angled                               |
| Connector 03, version               | angled                               |
| Number of conductors                | 3/3                                  |
| Number of pins                      | 4/5/5                                |
| System                              | Molded/Molded/Molded                 |

Electrical data

|                                  |                   |
|----------------------------------|-------------------|
| Operating voltage U <sub>b</sub> | 250 VDC / 250 VAC |
| Rated current (40 °C)            | 4.0 A             |

Environmental conditions

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Cable temperature, fixed routing | -100...200 °C                       |
| Connector 01, temperature max.   | 100 °C                              |
| Connector 02, temperature max.   | 100 °C                              |
| Connector 03, temperature max.   | 100 °C                              |
| IP rating                        | IP67, IP68, IP69K/IP67, IP68, IP69K |

Material

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

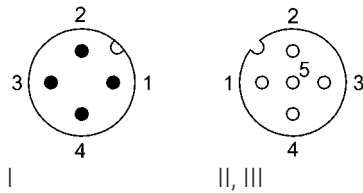
Mechanical data

|                           |                      |
|---------------------------|----------------------|
| Cable jacket, color       | black                |
| Cable length L            | 0.60 m               |
| Tightening torque pigtail | 0.6 Nm/0.6 Nm/0.6 Nm |

Remarks

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

Connector Drawings



Wiring Diagrams

