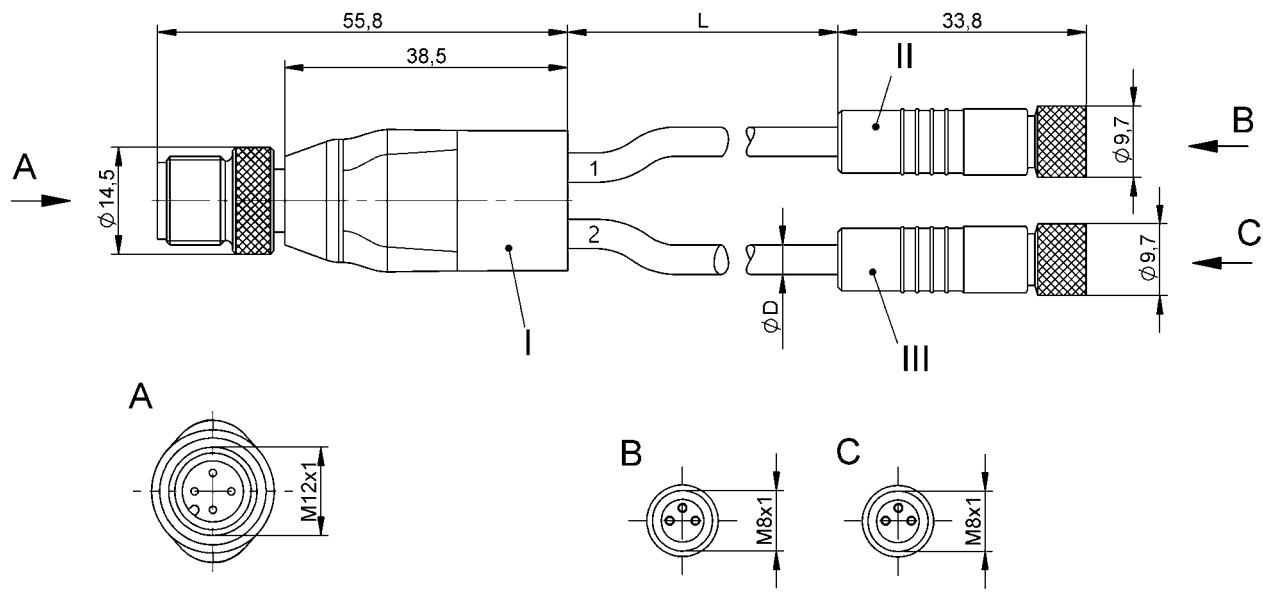


Y-Splitters

BCC W414-W313-W313-U2049-010

Order Code: BCC0HAF

**BALLUFF**



Basic features

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

Electrical connection

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Bending radius min., fixed cable    | 10 x D                                |
| Bending radius min., flexible cable | 15 x D                                |
| Cable diameter D                    | 5.70 mm ±0.25 mm                      |
| Conductor cross-section             | 0.34 mm²                              |
| Connection 1                        | M12x1-Male, straight, 4-pin, A-coded  |
| Connection 2                        | M8x1-Female, straight, 3-pin, A-coded |
| Connection 3                        | M8x1-Female, straight, 3-pin, A-coded |
| Connector 01, version               | straight                              |
| Connector 02, version               | straight                              |
| Connector 03, version               | straight                              |
| Number of conductors                | 4/4                                   |
| Number of pins                      | 4/3/3                                 |
| System                              | Molded/Molded/Molded                  |

Electrical data

|                                  |                 |
|----------------------------------|-----------------|
| Operating voltage U <sub>b</sub> | 60 VDC / 60 VAC |
| Rated current (40 °C)            | 4.0 A           |

Environmental conditions

|                                             |                |
|---------------------------------------------|----------------|
| Cable temperature UL max., fixed routing    | 150 °C         |
| Cable temperature UL max., flexible routing | 150 °C         |
| Cable temperature, fixed routing            | -40...200 °C   |
| Cable temperature, flexible routing         | -25...200 °C   |
| IP rating                                   | IP67/IP67/IP67 |

Material

|                             |                                                                |
|-----------------------------|----------------------------------------------------------------|
| Cable jacket material, note | welding spark resistant                                        |
| Cable jacket, material      | Silicone                                                       |
| 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                         |

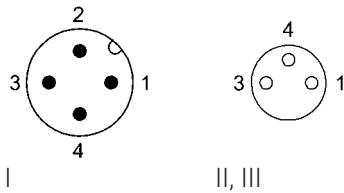
Mechanical data

|                           |                      |
|---------------------------|----------------------|
| Cable jacket, color       | black                |
| Cable length L            | 1.00 m               |
| Tightening torque pigtail | 0.6 Nm/0.4 Nm/0.4 Nm |

Remarks

Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.  
Cable construction acc. to UL-AWM Style 4535  
Halogen-free per IEC 60754  
Maximum temperature at outer jacket from weld spatter/beads short-time 800°C.

Connector Drawings



Wiring Diagrams

