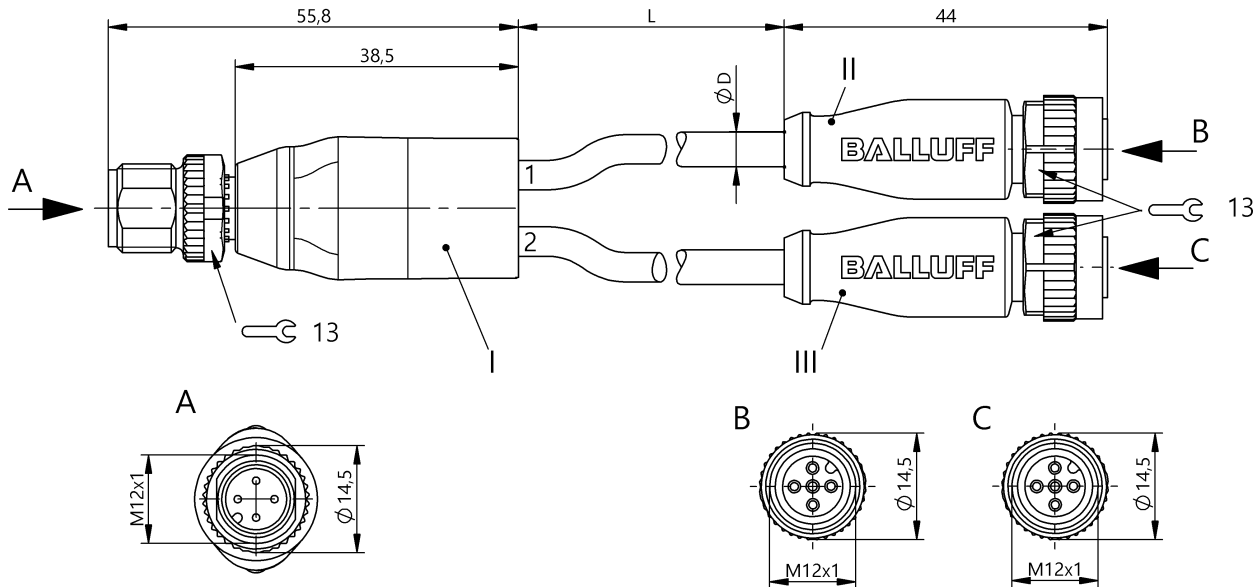


## Y-Splitters

BCC M414-M415-M415-U2027-003

Order Code: BCC0AK1

# BALLUFF



### Basic features

Application	Welding area
Approval/Conformity	CE WEEE

### Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	4.00 mm ±0.10 mm
Cable, bending cycles min.	10 mil.
Cable, torsion stress	±360°/m
Conductor cross-section	0.34 mm <sup>2</sup>
Connection 1	M12x1-Male, straight, 4-pin, A-coded
Connection 2	M12x1-Female, straight, 5-pin, A-coded
Connection 3	M12x1-Female, straight, 5-pin, A-coded
Connector 01, version	straight
Connector 02, version	straight
Connector 03, version	straight
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 UL max., fixed routing	80 °C
Cable temperature UL max., flexible routing	80 °C
Cable temperature, drag chain	-25...60 °C
Cable temperature, fixed routing	-50...90 °C
Cable temperature, flexible routing	-25...90 °C
IP rating	IP67, IP68, IP69K/IP67, IP68, IP69K

### Material

Cable jacket material, note	welding spark resistant
Cable jacket, material	PUR
Material contact carrier	PUR/PUR/PUR
Material contacts	Brass/Bronze/Bronze
Material cover nut	Die-cast zinc/Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR/PUR

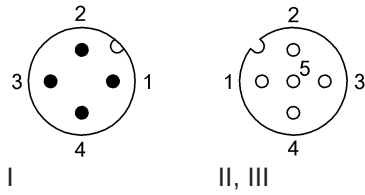
### Mechanical data

Acceleration max., drag chain	5 m/s <sup>2</sup>
Cable jacket, color	black
Cable length L	0.30 m
Cable properties	drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.6 Nm/0.6 Nm/0.6 Nm
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	2 m

**Remarks**

Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.  
 Halogen-free per DIN VDE 0472 Part 815  
 Flame resistance per UL FT2  
 Cable construction acc. to UL-AWM Style 20549  
 Silicone-free

**Connector Drawings**



**Wiring Diagrams**

