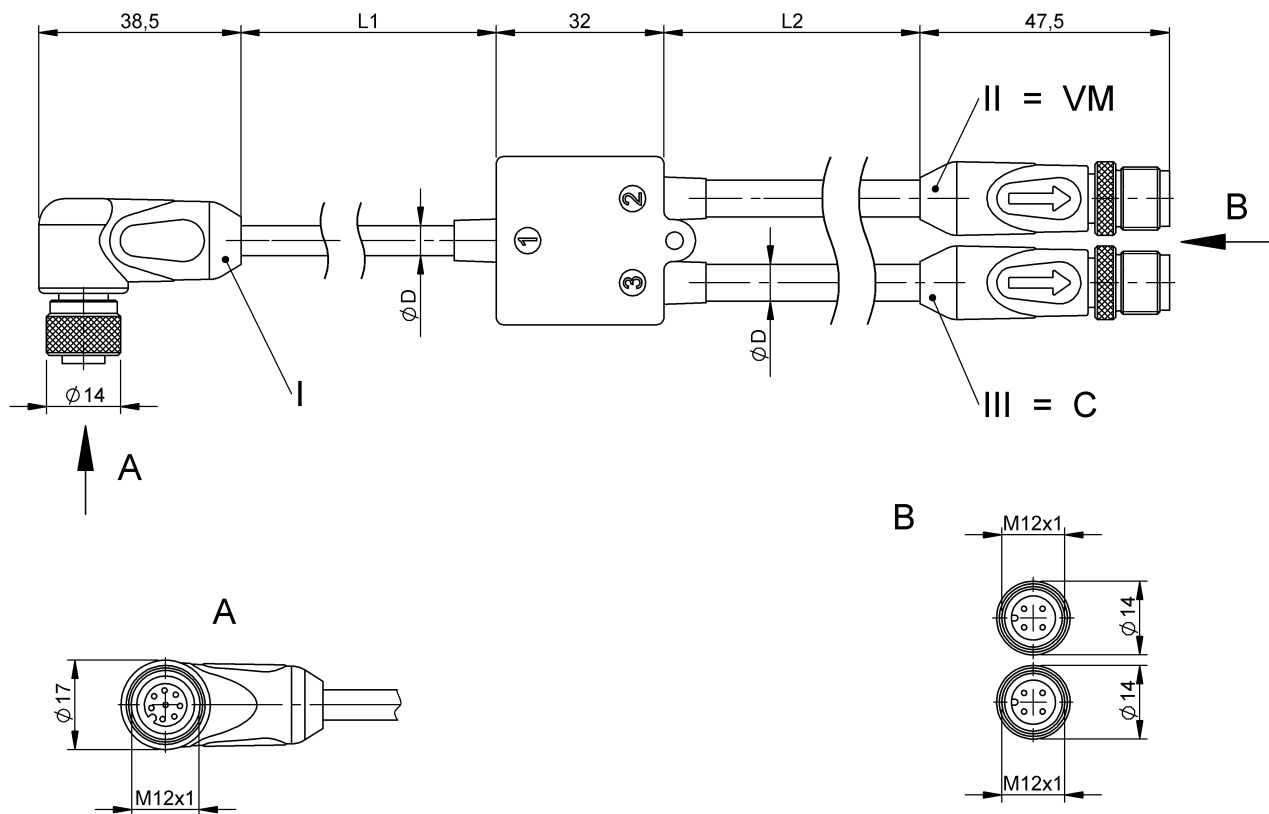


# Y-Splitters

BCC M428-M414-M414-U3101-100/002

Order Code: BCC0LCM

# BALLUFF



## Basic features

Approval/Conformity	CE WEEE
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## Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	4.80 mm ±0.20 mm
Cable, bending cycles min.	1 mil.
Conductor cross-section	0.14 mm <sup>2</sup>
Connection 1	M12x1-Female, angled, 8-pin, A-coded
Connection 2	M12x1-Male, straight, 4-pin, A-coded
Connection 3	M12x1-Male, straight, 4-pin, A-coded
Connector 01, version	angled
Connector 02, version	straight
Connector 03, version	straight
Number of conductors	8/8/8
Number of pins	8/4/4
System	Molded/Molded/Molded

## Electrical data

Operating voltage U <sub>b</sub>	30 VDC / 30 VAC
Rated current (40 °C)	2.0 A

## Environmental conditions

Ambient temperature	-30...85 °C
Cable temperature, fixed routing	-40...90 °C
Cable temperature, flexible routing	-30...80 °C

## Material

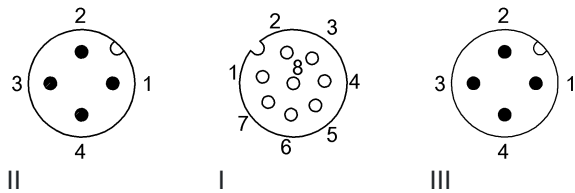
Cable jacket, material	PUR
Material contact carrier	PUR/PUR/PUR
Material contacts	Brass/Brass/Brass
Material cover nut	Brass/Brass/Brass
Material grip	PUR/PUR/PUR

**Mechanical data**

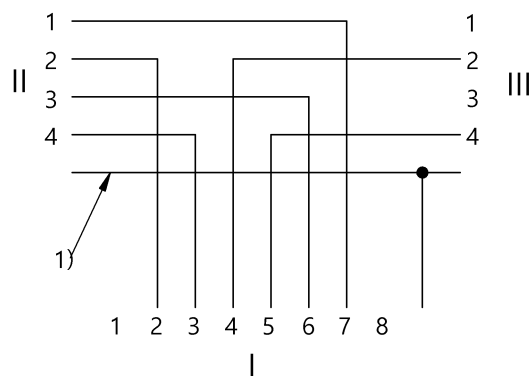
Acceleration max., drag chain	10 m/s <sup>2</sup>
Cable length L1	10 m
Cable length L2	0.20 m

Horizontal travel permitted, drag chain	3 m
Tightening torque pigtail	0.6 Nm/0.6 Nm/0.6 Nm
Traverse speed max., drag chain	2.5 m/s
Vertical travel permitted, drag chain	3 m

**Connector Drawings**



**Wiring Diagrams**



1) Shield on cover nut