

1) Slot numbering



## Basic features

<b>Approval/Conformity</b>	CE UKCA cULus WEEE
<b>Scope of delivery</b>	Part labels (11x) Cover cap (3x)

## Electrical connection

<b>Bending radius min., fixed cable</b>	7.5 x D
<b>Bending radius min., flexible cable</b>	15 x D
<b>Cable</b>	PUR black, 5 m, drag chain compatible
<b>Cable diameter D</b>	8.10 mm ±0.25 mm
<b>Cable, bending cycles min.</b>	2 mil.
<b>Conductor cross-section</b>	0.34 mm <sup>2</sup> + 0.75 mm <sup>2</sup>
<b>Connection slots</b>	6x M8x1-Female, 4-pin
<b>Number of conductors</b>	14

## Electrical data

<b>Isolation resistance</b>	≥ 10 GOhm
<b>Operating voltage U<sub>b</sub></b>	10...30 VDC/10...30 VAC
<b>Output current max.</b>	3 A
<b>Rated operating voltage U<sub>e</sub> DC</b>	24 V
<b>Total current max.</b>	8 A

## Environmental conditions

<b>Cable temperature, fixed routing</b>	-40...80 °C
<b>Cable temperature, flexible routing</b>	-20...80 °C
<b>IP rating</b>	IP67, when threaded in

## Material

<b>Cable jacket, material</b>	PUR
<b>Housing material</b>	PBT, GF
<b>Material contact carrier</b>	PBT
<b>Material contacts</b>	Bronze (CuSn6), nickel layer

## Mechanical data

<b>Acceleration max., drag chain</b>	10 m/s <sup>2</sup>
<b>Cable jacket, color</b>	black
<b>Cable length L</b>	5.00 m
<b>Cable properties</b>	drag chain compatible
<b>Casting</b>	yes
<b>Dimension</b>	113 x 30 x 23 mm
<b>Horizontal travel permitted, drag chain</b>	10 m at 10 m/s <sup>2</sup>
<b>Mounting part</b>	M4 (2x)
<b>Tightening torque</b>	1.2 Nm ±0.2 (M4)
<b>Tightening torque pigtail</b>	0.4 Nm + 0.1 Nm (M8 connector)
<b>Traverse speed max., drag chain</b>	3 m/s

## Junction blocks

**BPI 6M3040-5K-B0-KPXE0-050**

**Order Code: BPI00H7**

# BALLUFF

### Remarks

Cable construction acc. to UL-AWM Style 20549/10493

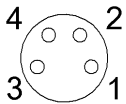
Flame resistance per IEC 60332-1-2

Flame resistance per UL 758/1581 FT2

Oil resistant per DIN EN 60811-404 (VDE 0473-811-404)

Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

### Connector Drawings



I/O ports

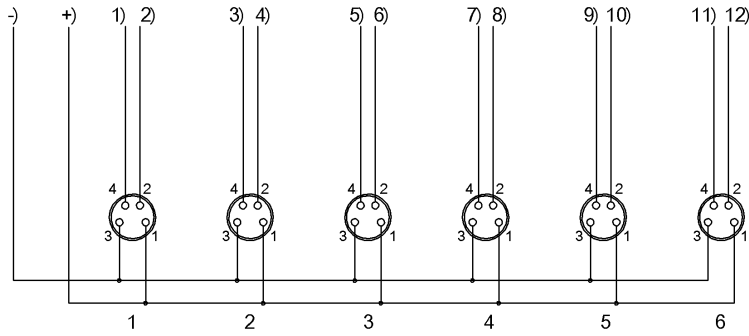
PIN 1: +24V

PIN 2: Signal 2

PIN 3: 0V

PIN 4: Signal 1

Wiring Diagrams



-) blue 0.75 mm<sup>2</sup>

+) brown 0.75 mm<sup>2</sup>

1) white

2) gray/pink

3) green

4) red/blue

5) yellow

6) white/green

7) gray

8) brown/green

9) pink

10) white/yellow

11) red

12) yellow/brown