

1) Power green, 2) LED yellow for Signal 1 (NO), 3) Slot numbering



### Basic features

Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Scope of delivery	Part labels (11x) Cover cap (5x)

### Display/Operation

Power indicator	Green LED
Switching function display	Yellow LED (8x)

### Electrical connection

Bending radius min., fixed cable	7.5 x D
Bending radius min., flexible cable	15 x D
Cable	PUR black, 15 m, drag chain compatible
Cable diameter D	6.80 mm ±0.2 mm
Cable, bending cycles min.	2 mil.
Conductor cross-section	0.34 mm <sup>2</sup> + 0.75 mm <sup>2</sup>
Connection slots	8x M8x1-Female, 3-pin
Number of conductors	10

### Electrical data

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

## Junction blocks

# BPI 8M303P-5K-B0-KPXA0-150

## Order Code: BPI00CP

# BALLUFF

### Environmental conditions

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

### Material

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

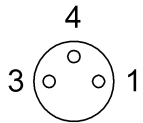
### Mechanical data

Acceleration max., drag chain	10 m/s <sup>2</sup>
Cable jacket, color	black
Cable length L	15.00 m
Cable properties	drag chain compatible
Casting	yes
Dimension	135 x 30 x 23 mm
Horizontal travel permitted, drag chain	10 m at 10 m/s <sup>2</sup>
Mounting part	M4 (2x)
Tightening torque	1.2 Nm ±0.2 (M4)
Tightening torque pigtail	0.4 Nm + 0.1 Nm (M8 connector)
Traverse speed max., drag chain	3 m/s

### 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



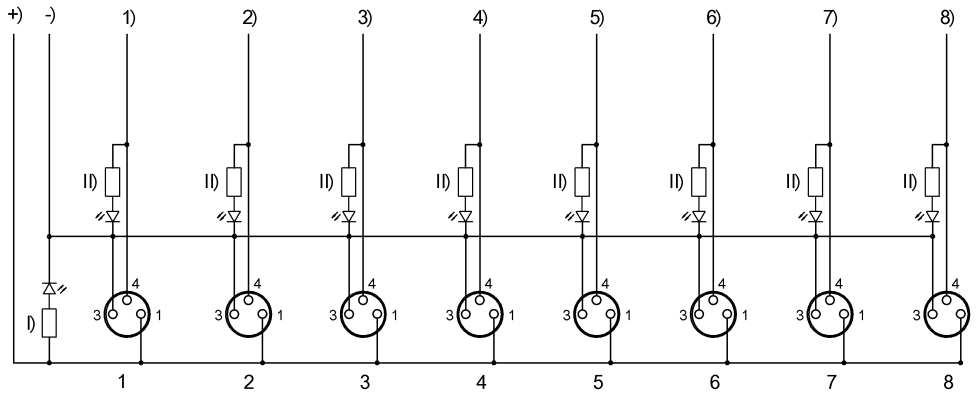
I/O ports

PIN 1: +24V

PIN 3: 0V

PIN 4: Normally open

Wiring Diagrams



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

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

1) white

2) green

3) yellow

4) gray

5) pink

6) red

7) black

8) violet

I) LED green

II) LED yellow