

CE  UKCA 

Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Scope of delivery	Part labels (24x)
	Cover cap (2x)

Power indicator	Green LED
Switching function display	Yellow LED (4x)

Bending radius min., fixed cable	7.5 x D
Bending radius min., flexible cable	15 x D
Cable	PUR black, 5 m, drag chain compatible
Cable diameter D	7.45 mm ±0.2 mm
Cable, bending cycles min.	2 mil.
Conductor cross-section	0.34 mm ² + 1.0 mm ²
Connection slots	4x M12x1-Female, 4-pin
Number of conductors	7

Isolation resistance	≥ 10 GΩm
Operating voltage U _b	10...30 VDC
Output current max.	4 A
Rated operating voltage U _e DC	24 V
Total current max.	8 A

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

Switching output PNP normally open (NO)

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

Acceleration max., drag chain	10 m/s ²
Cable jacket, color	black
Cable length L	5.00 m
Cable properties	drag chain compatible
Casting	yes
Dimension	105 x 58 x 25 mm
Horizontal travel permitted, drag chain	10 m at 10 m/s ²
Mounting part	M4 (3x)
Tightening torque	1.2 Nm ±0.2 (M4)
Tightening torque pigtail	0.6 Nm + 0.1 Nm (M12 connector)
Traverse speed max., drag chain	3 m/s

Junction blocks

BPI 4M4A4P-2K-B0-KPX70-050

Order Code: BPI009R

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

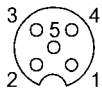
Halogen-free per DIN VDE 0472 Part 815

Halogen-free acc. to IEC 60754-1

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

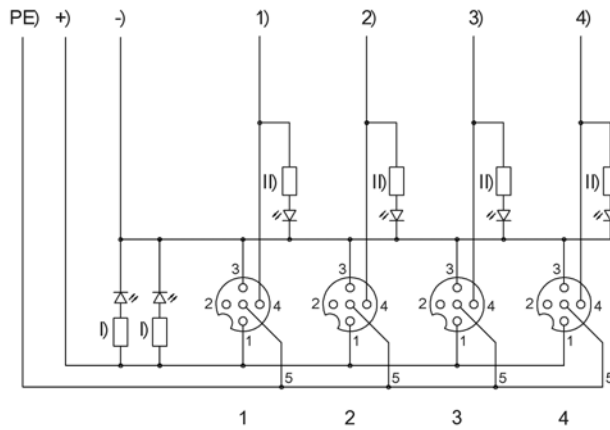
PIN 1: +24V

PIN 3: 0V

PIN 4: Normally open

PIN 5: PE

Wiring Diagrams



-) blue 1.00 mm²

+) brown 1.00 mm²

1) white

2) green

3) yellow

4) gray

I) LED green

II) LED yellow

PE) green/yellow 1.00 mm²