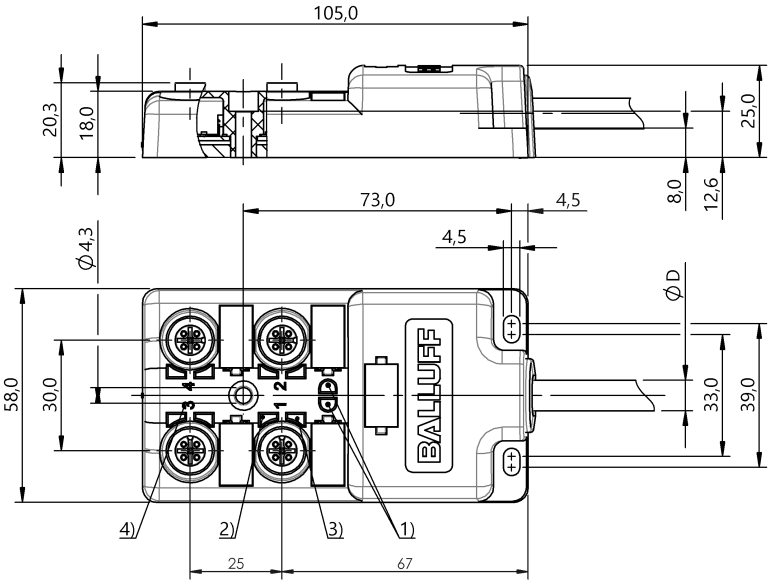
Junction blocks

BPI 4M4A5P-2K-B0-KPXB0-030
Order Code: BPI009W



1) Power green, 2) LED yellow for Signal 1 (NO), 3) LED yellow for Signal 2 (NC), 4) Slot numbering

Basic features

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

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, 3 m, drag chain compatible
Cable diameter D	8.30 mm ±0.3 mm
Cable, bending cycles min.	2 mil.
Conductor cross-section	0.34 mm² + 1.0 mm²
Connection slots	4x M12x1-Female, 5-pin
Number of conductors	11

Electrical data

Isolation resistance	≥ 10 GOhm
Operating voltage Ub	10...30 VDC
Output current max.	4 A
Rated operating voltage Ue DC	24 V
Total current max.	8 A

Environmental conditions

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

Interface

Switching output	PNP normally open/normally closed (NO/NC)

Material

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

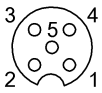
Mechanical data

Acceleration max., drag chain	10 m/s²
Cable jacket, color	black
Cable length L	3.00 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/s²
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

Remarks

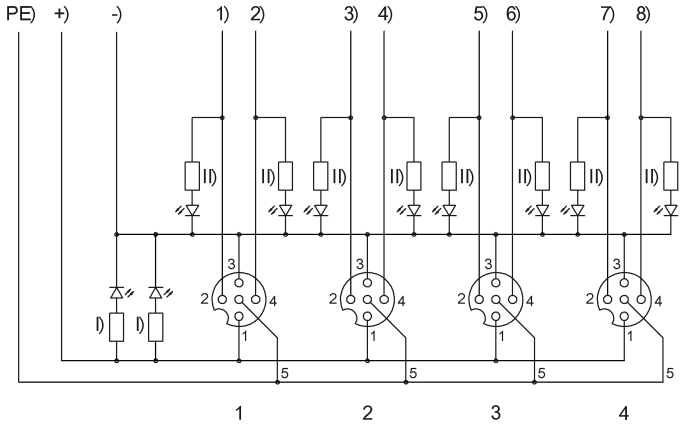
Cable construction acc. to UL-AWM Style 20549/10493
Flame resistance per IEC 60332-1-2
Flame resistance per UL 758/1581 FT2
Halogen-free per DIN VDE 0472 Part 815
Halogen-free acc. to IEC 60754-1
Oil resistant per DIN EN 60811-404 (VDE 0473-811-404)
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings



I/O ports
PIN 1: +24V
PIN 2: Normally closed
PIN 3: 0V
PIN 4: Normally open
PIN 5: PE

Wiring Diagrams



-) blue 1.00 mm²
+) brown 1.00 mm²
1) gray/pink
2) white
3) red/blue
4) green
5) white/green
6) yellow
7) brown/green
8) gray
I) LED green
II) LED yellow
PE) green/yellow 1.00 mm²