

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, 5 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 ² + 0.75 mm ² |
| Connection slots | 8x M8x1-Female, 3-pin |
| Number of conductors | 10 |

Electrical data

| | |
|---|-------------|
| Isolation resistance | ≥ 10 GOhm |
| Operating voltage U_b | 10...30 VDC |
| Output current max. | 3 A |
| Rated operating voltage U_e DC | 24 V |
| Total current max. | 8 A |

Junction blocks
BPI 8M303P-5K-B0-KPXA0-050
Order Code: BPI00CM

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 |

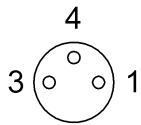
Mechanical data

| | |
|---|--------------------------------|
| Acceleration max., drag chain | 10 m/s ² |
| Cable jacket, color | black |
| Cable length L | 5.00 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 ² |
| 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



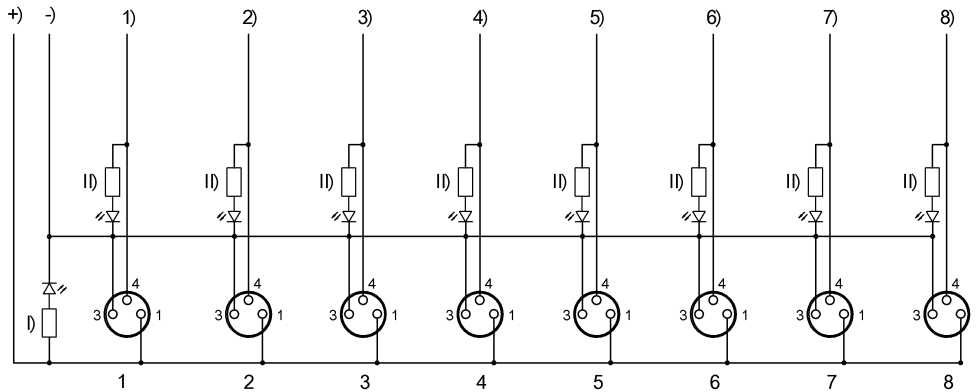
I/O ports

PIN 1: +24V

PIN 3: 0V

PIN 4: Normally open

Wiring Diagrams



-) blue 0.75 mm²
- +) brown 0.75 mm²
- 1) white
- 2) green
- 3) yellow
- 4) gray
- 5) pink
- 6) red
- 7) black
- 8) violet
- I) LED green
- II) LED yellow