



1) Power ind. green potential, 2) LED ye for S2 on PIN 2, 3) LED ye for S1 on PIN 4, 4) Slot numbering



### Basic features

<b>Approval/Conformity</b>	CE UKCA WEEE
<b>Not incl. in scope of delivery</b>	M4 fastening screw
<b>Scope of delivery</b>	Part labels (24x) Cover cap (4x)

### Display/Operation

<b>Power indicator</b>	LED green (2x)
<b>Switching function display</b>	Yellow LED (16x)

### Electrical connection

<b>Connection slots</b>	8x M12x1-Female, 5-pin
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### Electrical data

<b>Current consumption per LED</b>	4 mA
<b>Galvanic isolation</b>	+24 V and 0 V for left side (Slots 1, 3) and right side (Slots 2, 4) by means of cable bridge
<b>Isolation resistance</b>	≥ 10 GOhm
<b>Operating voltage <math>U_b</math></b>	18...30 VDC
<b>Output current max.</b>	4 A
<b>Protection class</b>	III (EN 60664-1)
<b>Rated operating voltage <math>U_e</math> DC</b>	24 V
<b>Total current max.</b>	8 A (for 2x feed) 8 A (for 1x feed)
<b>Withstand voltage</b>	800 V

Junction blocks  
**BPI 8M4A5P-2K-00-TPSN**  
**Order Code: BPI007H**



**Environmental conditions**

Ambient temperature	-25...80 °C
Contamination scale	3
EN 60068-2-27, Shock	100 g, 6 ms
EN 60068-2-6, Vibration	61...500 Hz, constant acceleration 15 g 10...60 Hz, constant amplitude 2 mm
IP rating	IP67, when threaded in

**Material**

Housing material	PBT
Material contact carrier	PA 6.6
Material contacts	Brass

**Mechanical data**

Casting	yes
Connection cross-section	0.08...1.5 mm <sup>2</sup>
Mounting part	M4 (4x)
Tightening torque	1.2 Nm ±0.2 (M4)
Tightening torque pigtail	0.6 Nm + 0.1 Nm (M12 connector)

**Connector Drawings**

**Anschlussstabelle / terminal diagram**

Klemme Nr. Termina No.	M12 Buchse / M12 Socket Steckplatz/Kontakt / Slot/contact	Kontaktbelegung / Contactassignment
1	1 / 4	<p>Buchse / Socket M12</p> <p>Klemmen / terminals</p>
9	1 / 2	
2	2 / 4	
10	2 / 2	
3	3 / 4	
11	3 / 2	
4	4 / 4	
12	4 / 2	
5	5 / 4	
13	5 / 2	
6	6 / 4	
14	6 / 2	
7	7 / 4	
15	7 / 2	
8	8 / 4	
16	8 / 2	
+1	1, 3, 5, 7 / 1 (+)	
+2	2, 4, 6, 8 / 1 (+)	
-1	1, 3, 5, 7 / 3 (-)	
-2	2, 4, 6, 8 / 3 (-)	
PE	1-8 / 5 (PE)	

**Wiring Diagrams**

