

PDB-0824P

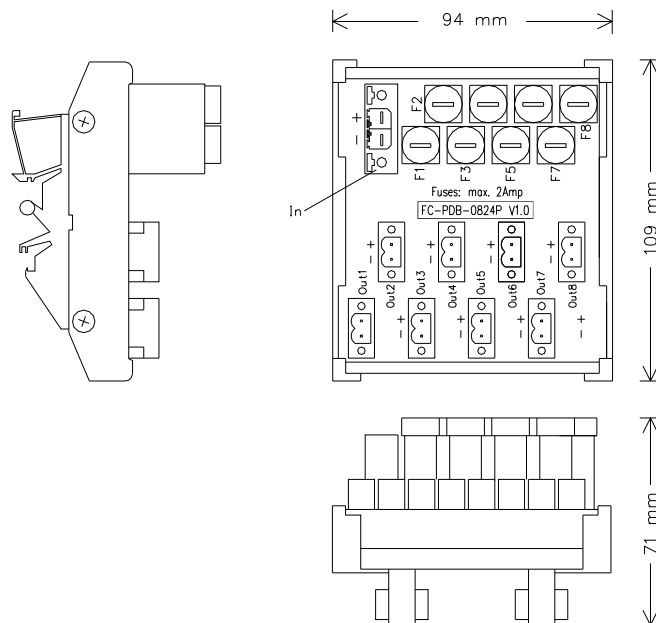
Power Distribution Board (24Vdc, 2 Amp, 8 channel)

Description

The PDB-0824P power distribution board enables easy distribution of 24Vdc from the main power rail to individual 24Vdc devices inside the cabinet enclosure, such as fan units and FTAs.

Figure 500 on page 796 shows the PDB-0824P board with one 24Vdc entry connector (In) for connection to the main bus bar and eight (2 Amp fused) 24Vdc field connectors (Out1 thru Out8) for connection to eight 24Vdc devices.

Figure 500 PDB-0824P board layout



A 24 Vdc power distribution cable (see data sheet “PDC-MB24-y” on page 814 for details) can be used to connect the main power bar to In.

- When using other connection cables make sure the wire size is adequate and a Weidmuller BVZ 7.62HP/02F SN connector with two keying pins is used to connect to In of the PDB-0824P (see “Pin allocation” on page 797).

24V distribution cables (see “PDC-FTA24” on page 816) connect the PDB-0824P with up to eight 24Vdc devices.

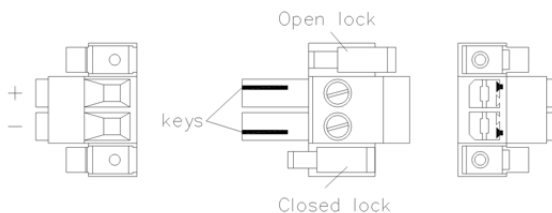
- When using other connection cables make sure the wire size is adequate and a Weidmuller BLZ 5.08/2F SN SW or equivalent connector (e.g. BL 5.08/2 SN OR) is used to connect to one of the Outx connectors of the PDB-0824P (see “Pin allocation” on page 797).

Pin allocation

Figure 501 on page 797 shows the top, side & bottom view and the pin assignment of the Weidmuller BVZ 7.62HP/02F SN cable-connector on In.

1. The pin marked “+” is pin 1; connect to +24Vdc wire to the main bus bar
2. The pin marked “-” is pin 2; connect to 0Vdc wire to the main bus bar

Figure 501 Power connector on In (Weidmuller BVZ 7.62HP/02F SN) top, side and bottom view

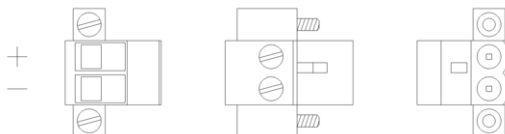


The two (red) locking slides of the cable-connector in Figure 501 on page 797 keep the cable-connector locked when inserted into In.

Figure 502 on page 797 shows the top, side & bottom view and the pin assignment of the Weidmuller BLZ 5.08/2F SN SW.

1. The pin marked “+” is pin 1; connect to +24Vdc wire to the consumer
2. The pin marked “-” is pin 2; connect to 0Vdc wire to the consumer

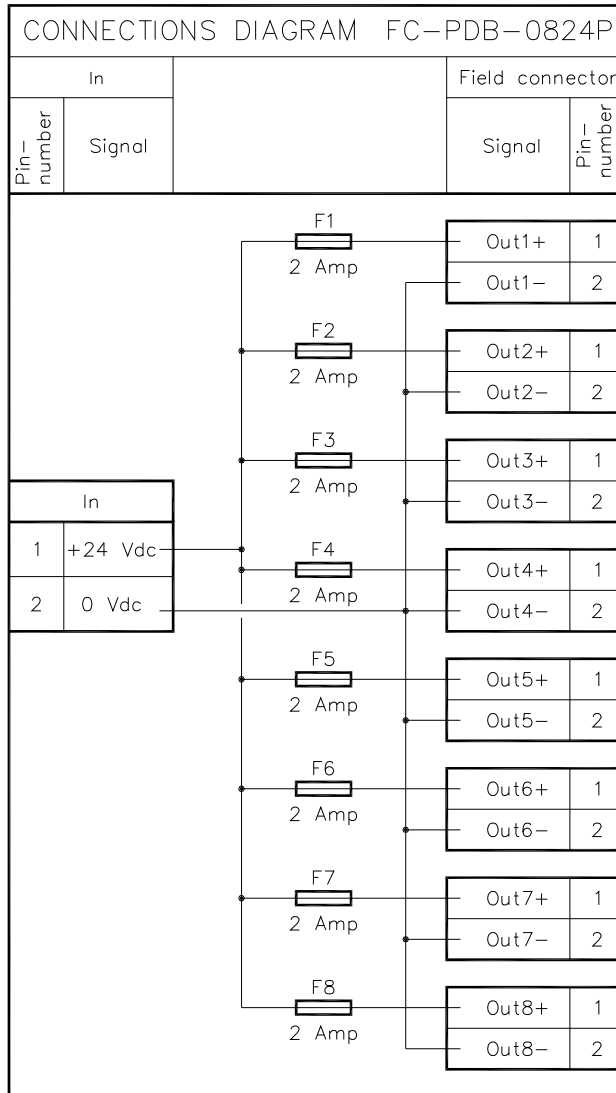
Figure 502 Power connector on Outx (Weidmuller BLZ 5.08/2F SN SW) top, side and bottom view



Connections

The connection diagram of the PDB-0824P module:

Figure 503 Connection diagram



Technical data

General	Type number ¹ :	FC-PDB-0824P V1.0
	Approvals:	CE; UL, TUV, CSA pending
Fuses	rating	max. 2 AT (slow acting)
	dimensions:	5 x 20 mm (0.20 x 0.79 in)
Connectors	In make and type:	2 pole header with keying <ul style="list-style-type: none"> • Weidmuller: BVZ 7.62HP/02F SN (conn.) • Weidmuller: BV/SV7.62HP KO (keys)
	Field connector make and type:	2 pole socket block Weidmuller: BLZ 5.08/2F SN SW
Physical	Module dimensions:	94 x 109 x 71 mm (L x W x H) 3.7 x 4.3 x 2.8 in (L x W x H)
	DIN EN rails:	TS32 / TS35 × 7.5
	Used rail length:	95 mm (3.74 in)

¹ FC-type modules are conformal coated modules.