

# PDC-MB24-y

## Power Distribution Cable (24Vdc)

### Description

The FS-PDC-MB24-y (where “y” stands for 1P, 2P or 3P) power distribution cables transfer the 24Vdc from the main power rail of type FS-MB-0001 to:

- power distribution boards like the FC-PDB-0824P (for details see “PDB-0824P” on page 796),
- FTAs equipped with a Weidmuller SV 7.62HP/02/180F power connector, keyed for 24Vdc.

Table 87 on page 814 provides a listing of available cable types and associated lengths.

**Table 87** Type and length of FS-PDC-MB24-y power distribution cables

Cable type	length
FS-PDC-MB24-1P	145 cm (57.1 in)
FS-PDC-MB24-2P	245 cm (96.5 in)
FS-PDC-MB24-3P	325 cm (128.0 in)

### Layout

Figure 516 on page 814 shows the layout of the FS-PDC-MB24-y power distribution cable.

**Figure 516** Layout of the FS-PDC-MB24-y power distribution cable



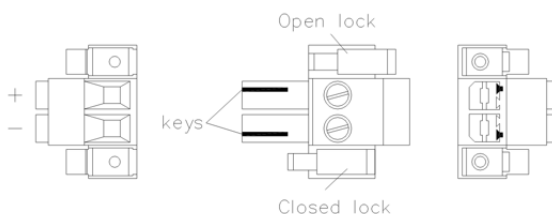
## FTA / board connector with 24 Vdc keying

A Weidmuller BVZ 7.62HP/02F SN cable-connector with 24Vdc keying is used to connect the cable to an FTA or a 24Vdc power distribution board.

Figure 517 on page 815 shows the views, keying and the pin assignment of the Weidmuller BVZ 7.62HP/02F SN cable-connector.

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 517** FTA/board side connector (Weidmuller BVZ 7.62HP/02F SN) views and 24 Vdc keying



Two (red) locking slides of the cable-connector in Figure 517 on page 815 keep the cable-connector locked when inserted into the FTA or the power distribution board.

## Technical data

<b>General</b>	Type numbers:	FS-PDC-MB24-1P FS-PDC-MB24-2P FS-PDC-MB24-3P
	Approvals:	UL, CSA and FM pending
<b>Cable</b>	Type:	CC600 2 x 6mm <sup>2</sup>
	Length FS-PDC-MB24-1P:	145 cm (57.1 in)
	Length FS-PDC-MB24-2P:	245 cm (96.5 in)
	Length FS-PDC-MB24-3P:	325 cm (128.0 in)
<b>Connectors</b>	mains power bar side:	2 pole Squeeze To Release type: D-TAB-200-STR
	FTA / board side:	2 pole header with keying Weidmuller: BVZ 7.62HP/02F SN
	FTA / board keying	Weidmuller: BV/SV7.62HP KO