

18.12 PDC-MB24-y

18.12.1 Power Distribution Cable (24Vdc)

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

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

The below table provides a listing of available cable types and associated lengths.

Table 1. Type and length of PDC-MB24-y power distribution cables

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

18.12.2 Layout

The below figure shows the layout of the PDC-MB24-y power distribution cable.

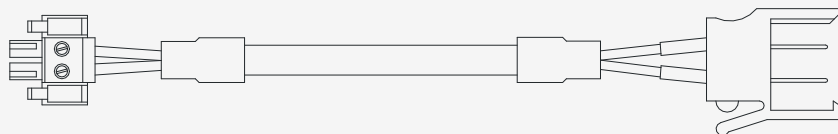


Figure 18-32: Layout of the PDC-MB24-y power distribution cable

18 Power distribution

18.12 PDC-MB24-y

18.12.3 FTA/board connector with 24 V DC 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.

The below figure 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

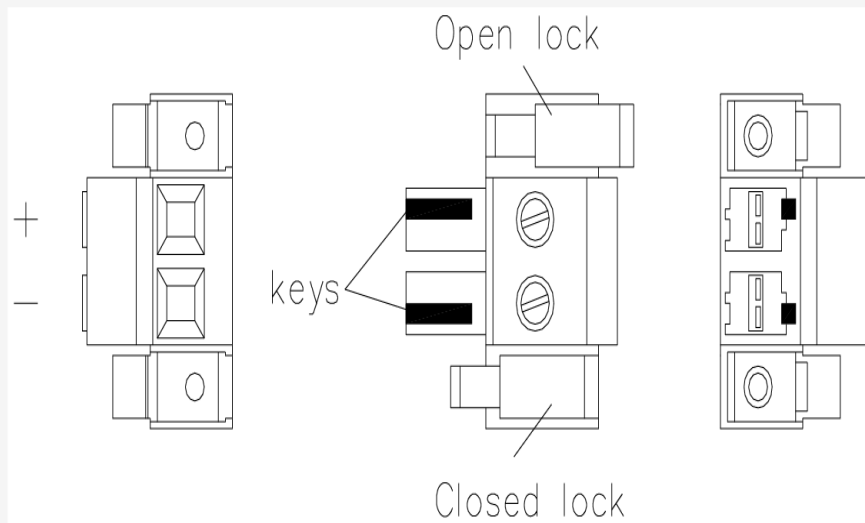


Figure 18-33: FTA/board side connector (Weidmuller BVZ 7.62HP/02F SN) views and 24 V DC keying

Two (red) locking slides of the cable-connector in the above figure keep the cable-connector locked when inserted into the FTA or the power distribution board.

18.12.4 Technical data

General	Type numbers:	FS-PDC-MB24-1P FS-PDC-MB24-2P FS-PDC-MB24-3P
	Approvals:	UL, CSA and FM pending
Cable	Type:	CC600 2 x 6mm ²
	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)
Connectors	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