

PDC-MB24-x

Power Distribution Cable (24Vdc)

Description

The FS-PDC-MB24-x power distribution cables transfer the 24Vdc from the main power rail of type FS-MB-0001 to:

- power distribution boards like the FC-PDB-0824 (for details see “PDB-0824” on page 792),
- FTAs equipped with a Weidmuller BVZ 7.62/02F SW power connector, keyed for 24Vdc.

Table 86 on page 812 provides a listing of available cable types and associated lengths.

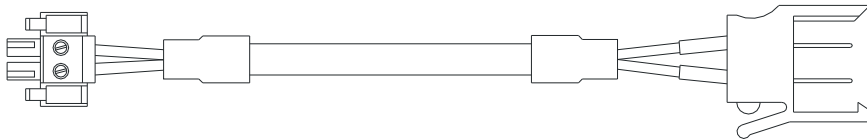
Table 86 Type and length of FS-PDC-MB24-x power distribution cables

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

Layout

Figure 514 on page 812 shows the layout of the FS-PDC-MB24-x power distribution cable.

Figure 514 Layout of the FS-PDC-MB24-x power distribution cable



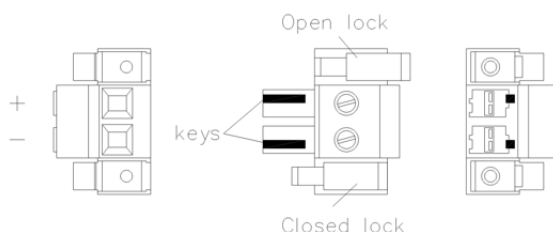
FTA / board connector with 24 Vdc keying

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

Figure 515 on page 813 shows the views, keying and the pin assignment of the Weidmuller BVZ 7.62/02F SW 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 515 FTA/board side connector (Weidmuller BVZ 7.62/02F SW) views and 24 Vdc keying



Two (orange) locking slides of the cable-connector in Figure 515 on page 813 keep the cable-connector locked when inserted into the FTA or the power distribution board.

Technical data

General	Type numbers:	FS-PDC-MB24-1 FS-PDC-MB24-2 FS-PDC-MB24-3
	Approvals:	UL, CSA; FM pending
Cable	Type:	CC600 2 x 6mm ²
	Length FS-PDC-MB24-1:	145 cm (57.1 in)
	Length FS-PDC-MB24-2:	245 cm (96.5 in)
	Length FS-PDC-MB24-3:	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 7.62/02F SW
	FTA / board keying	Weidmuller: KO BV/SV7.62