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Datasheet - PFB-SD-4M12-SD

Input expander / PFB



(Minor differences between the printed image and the original product may exist!)

- For SD-Interface devices
- Passive field box for series-wiring
- For devices with M12 Connector, 8-pole
- For up to 4 safety switchgears
- Fuse protected device ports
- Heavy duty version for field installation
- Protection class IP67

Ordering details

Product type description	PFB-SD-4M12-SD
Article number	103013574
EAN code	
eCl@ss	

Approval

Approval	cULus USA/CAN

Global Properties

Product name	PFB
Standards	IEC 60947-1
Application	
Materials	
- Material of the housings	Plastic,
Weight	365 g

Mechanical data

Design of electrical connection	M12 connector socket / -Connector
restistance to shock	30 g / 11 ms

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Resistance to vibration	10 … 150 Hz, Amplitude 0,35 mm

Ambient conditions

Ambient temperature	
- Min. environmental temperature	−20 °C
- Max. environmental temperature	+65 °C
Storage and transport temperature	
- Min. Storage and transport temperature	−40 °C
- Max. Storage and transport temperature	+70 °C
Relative humidity	10 … 95 %, non-condensing
Protection class	IP67
Protection rating	III
Insulation values to IEC 60664-1	
- Rated impulse withstand voltage U_{imp}	0,8 kV
- Rated insulation voltage U_i	32 VDC
- Overvoltage category	III
- Degree of pollution	3

Electrical data

Supply voltage U_B	24 VDC −15% / +10% (stabilised PELV)
Rated operating voltage U_e	24 VDC
Operating current I_e	
- Passive distribution module ()	10 A
- ()	1.5 A

LED switching conditions display

LED switching conditions display (Y/N)	Yes
Number of LED´s	9 piece

ATEX

Explosion protection Zones for gases	None
Explosion protection Zones for dusts	None

Dimensions

Dimensions	
- Width	63 mm
- Height	156.6 mm
- Depth	36.1 mm

Documents

Operating instructions (en) 842 kB, 27.07.2017
Code: mrl_pfb-sd-4m12-sd_en

Operating instructions (it) 778 kB, 08.09.2017
Code: mrl_pfb-sd-4m12-sd_it

Operating instructions (nl) 815 kB, 11.09.2017
Code: mrl_pfb-sd-4m12-sd_nl

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Operating instructions (fr) 819 kB, 11.09.2017
Code: mrl_pfb-sd-4m12-sd_fr

Operating instructions (de) 817 kB, 27.07.2017
Code: mrl_pfb-sd-4m12-sd_de

Operating instructions (es) 778 kB, 29.08.2017
Code: mrl_pfb-sd-4m12-sd_es

Operating instructions (pt) 820 kB, 11.09.2017
Code: mrl_pfb-sd-4m12-sd_pt

Operating instructions (pl) 818 kB, 11.09.2017
Code: mrl_pfb-sd-4m12-sd_pl

Images