

Features

- Base for protection module
- Easy replacement of modules without tools
- Connection via spring terminals
- DIN rail mountable
- Up to SIL 3 acc. to IEC 61508

Function

The device is the base for the modules of the surge protection system:

- Protection modules
- Place-holder modules

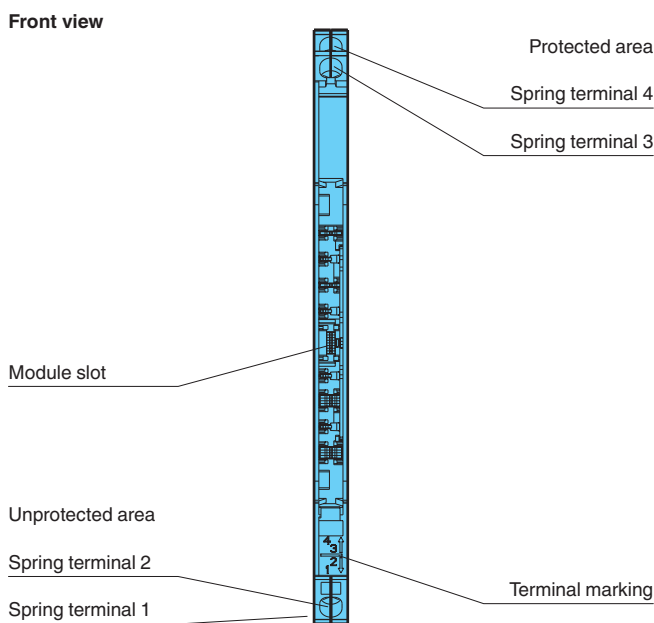
These modules are connected to the device.

The protected and unprotected signal lines are connected to the device. The plugged modules will be grounded via the integrated earth connection.

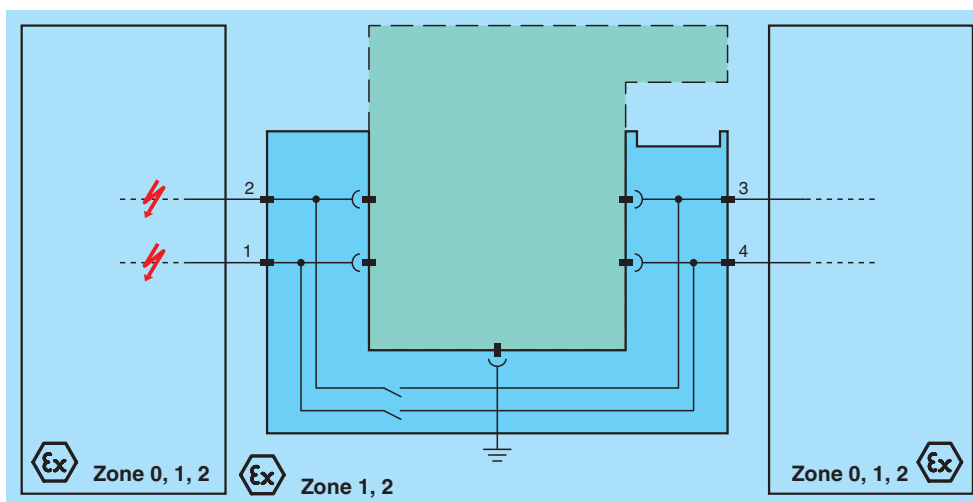
The terminals of the base module are suitable for the connection of conductors and plug-in jumpers.

The device is mounted on a 35 mm DIN mounting rail according to EN 60715.

Assembly



Connection



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General specifications		
Number of signal lines		2
Functional safety related parameters		
Safety Integrity Level (SIL)		SIL 3
Supply		
Rated voltage	U_r	30 V AC/DC
Rated current	I_r	2 A
Input		
Connection		terminals 1, 2
Output		
Connection		terminals 3, 4
Conformity		
Degree of protection		IEC 60529:2013
Functional safety		IEC/EN 61508:2010
Surge protective devices for low voltage		EN 61643-21:2001+A1:2009+A2:2013 IEC 61643-21:2001+A1:2008+A2:2012
Ambient conditions		
Ambient temperature		-40 ... 80 °C (-40 ... 176 °F) Observe the temperature range of the protection module, which is limited by derating.
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Relative humidity		max. 95 % , without condensation
Mechanical specifications		
Degree of protection		IP20
Connection		spring terminals , max. core cross section 1 x 2.5 mm ²
Mass		approx. 40 g
Dimensions		6.2 x 72 x 112 mm
Mounting		on 35 mm DIN mounting rail acc. to EN 60715:2001
Data for application in connection with hazardous areas		
EU-Type Examination Certificate		BVS 17 ATEX E 069 X
International approvals		
IECEX approval		
IECEX certificate		IECEX BVS 17.0061X
General information		
Supplementary information		Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .
Accessories		
Designation		system components: - protection module M-LB-Ex-5XXX - Universal Power Rail M-UPR-03-S - place holder module M-LB-Ex-5900 - insulation spacer M-UPR-I

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