

Features

- Base for protection module
- Easy replacement of modules without tools
- Connection via screw 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.

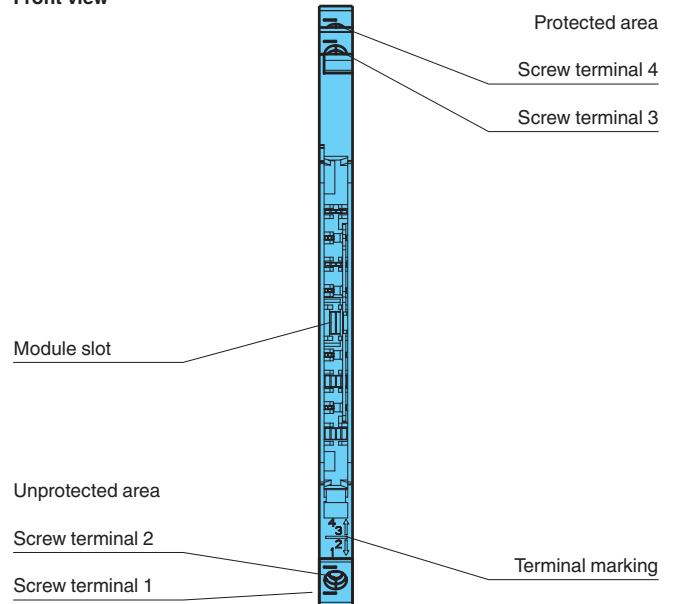
The protected and unprotected signal lines are connected to the device. The plugged modules will be grounded via the integrated earth connection.

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.

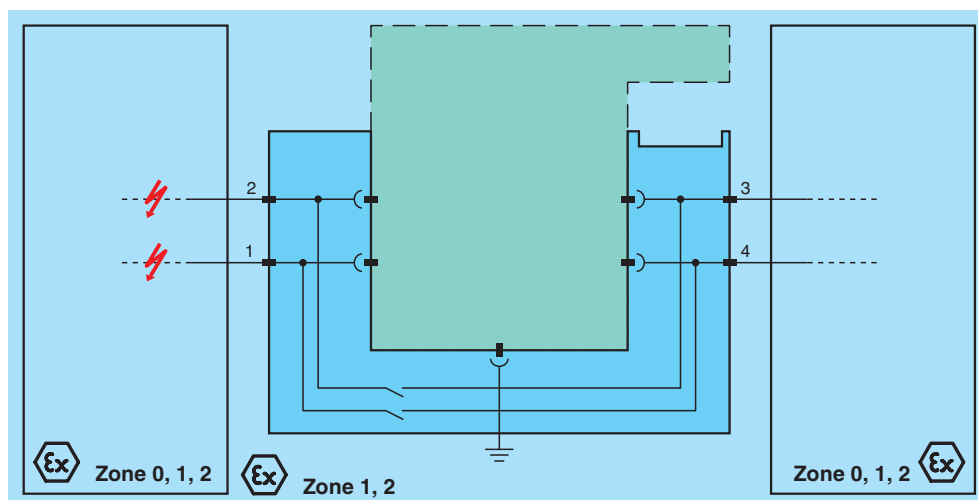
Assembly

Front view



SIL 3

Connection



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	screw 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