

Features

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

Function

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

- Protection modules
- Function modules
- Place-holder modules

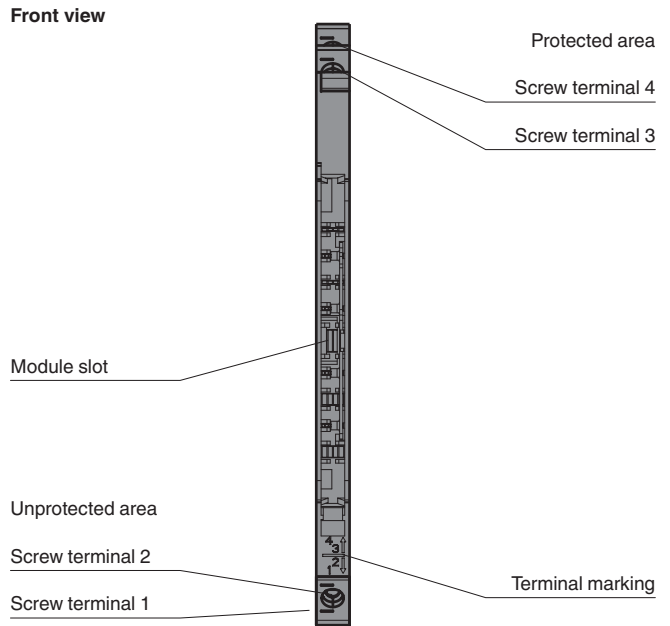
These modules are connected to the base module.

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.

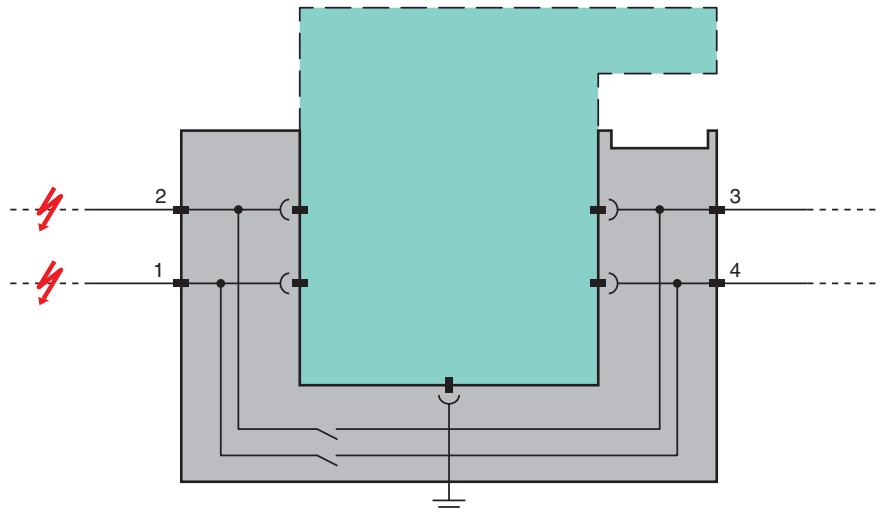
Assembly



CE

SIL 3

Connection



Zone 2

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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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 | 60 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 or the function 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 | | |
| Certificate | | BVS 17 ATEX E 070 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-5XXX - power feed module M-LB-5300 - fault status module M-LB-5400 - maintenance status module M-LB-5500 - Universal Power Rail M-UPR-03-S - place holder module M-LB-5900 - insulation spacer M-UPR-I |

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