



|                                  |                               |
|----------------------------------|-------------------------------|
| Product designation              | Surge Protection Device (SPD) |
| Product type designation         | SG2                           |
| Operating voltage type           | AC                            |
| Application                      | AC Power lines                |
| Number of poles                  | 3P                            |
| Number of DIN modules            | 3                             |
| Relay output                     | Yes                           |
| SPD according to IEC/EN 61643-11 | YES                           |

#### Electrical features

|                                                              |         |                                |
|--------------------------------------------------------------|---------|--------------------------------|
| IEC Maximum continuous voltage $U_c$                         | V       | 300                            |
| IEC Maximum discharge current $I_{max}$ 8/20 (L-N/N-PE)      | kA      | 50                             |
| IEC Rated discharge current (IEC) $I_n$ 8/20 (L-N/N-PE)      | kA      | 20                             |
| IEC Voltage protection level $U_p$ (L-N/N-PE)                | kV      | <1.5                           |
| IEC Follow current $I_f$ (N-PE) rms                          | A       | No                             |
| Tripping time $t_a$ (L-N/N-PE)                               | ns      | <25                            |
| Thermal insulation protection                                |         | YES                            |
| IEC Backup protection fuse with supply fuse >315A (L-N/N-PE) | Class/A | 315A / 250A Gg                 |
| IEC Maximum short circuit current at 50Hz                    | kA      | 25 / 50                        |
| Status indicator - operating / end of life                   |         | Frontal indication/Aux contact |

#### Ambient conditions

|                       |     |    |      |
|-----------------------|-----|----|------|
| Operating temperature | min | °C | -40  |
|                       | max | °C | +85  |
| Max altitude          |     | m  | 2000 |

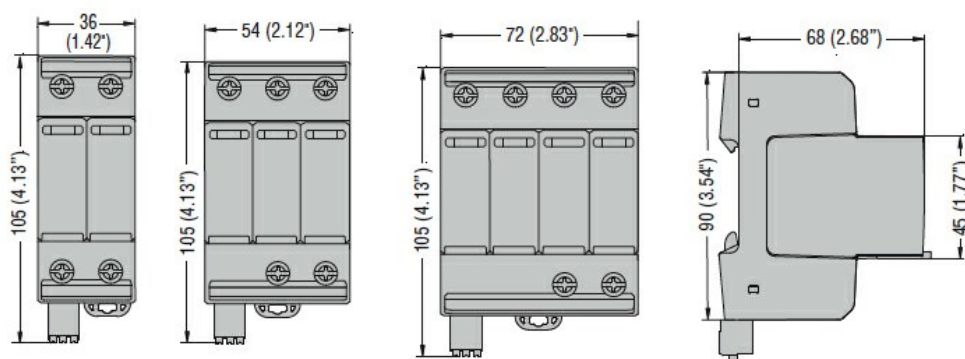
#### Mechanical features

|                                      |                 |          |
|--------------------------------------|-----------------|----------|
| Fixing                               |                 | Din rail |
| Conductor section Flexible max (IEC) | mm <sup>2</sup> | 25       |
| Conductor section Rigid max (IEC)    | mm <sup>2</sup> | 35       |
| Weight                               | g               | 376      |

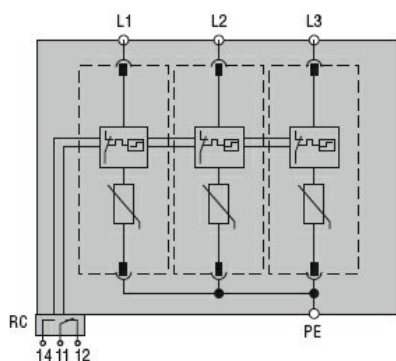
#### Relay output for remote status indication

|                  |         |   |     |
|------------------|---------|---|-----|
| Rated current at | 125V AC | A | 1   |
|                  | 250V AC | A | 1   |
|                  | 12V DC  | A | 0.5 |
|                  | 24V DC  | A | 0.5 |
|                  | 48V DC  | A | 0.5 |

#### Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

IEC/EN 61643-11

### Certificates

EAC

## ETIM classification

ETIM 8.0

EC000941 -  
Surge protection  
device for power  
supply systems