electric


| Product designation |  |  | Surge Protection Device (SPD) |
| :---: | :---: | :---: | :---: |
| Product type designation |  |  | SAOB |
| Operating voltage type |  |  | AC |
| Application |  |  | AC Power lines |
| Number of poles |  |  | $1 \mathrm{P}+\mathrm{N}$ |
| Number of DIN modules |  |  | 2 |
| Relay output |  |  | Yes |
| SPD according to IEC/EN 61643-11 |  |  | YES |
| Electrical features |  |  |  |
| IEC Maximum continuous voltage Uc |  | V | 320 |
| IEC Impulse current limp 10/350 (L-N/N-PE) |  | kA | 12.5 |
| IEC Maximum discharge current Imax 8/20 (L-N/N-PE) |  | kA | 50 / 100 |
| IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE) |  | kA | 20 |
| IEC Voltage protection level Up (L-N/N-PE) |  | kV | <1.5 / <1.5 |
| Temporary overvoltage (TOV) withstand Ut (L-N for 5s) |  | V | 334 |
| Temporary overvoltage (TOV) safe fail (L-N for 120min) |  | V | 438 |
| Temporary overvoltage (TOV) withstand (N-PE for 200ms) |  | V/A | $1200 \mathrm{~V} / 300 \mathrm{~V}$ |
| IEC Follow current If (N-PE) rms |  | A | $>100$ |
| Tripping time ta (L-N/N-PE) |  | ns | <25/100 |
| Thermal insulation protection |  |  | YES |
| IEC Backup protection fuse with supply line fuse >250A (L-N/N-PE) |  | Class/A | 250A gG |
| IEC Maximum short circuit current at 50 Hz |  | kA | 50 |
| Status indicator - operating / end of life |  |  | Frontal indication/Aux contact |
| Ambient conditions |  |  |  |
| Operating temperature |  |  |  |
|  | min | ${ }^{\circ} \mathrm{C}$ | -40 |
|  | max | ${ }^{\circ} \mathrm{C}$ | +85 |
| Max altitude |  | m | 2000 |
| Mechanical features |  |  |  |
| Fixing |  |  | Din rail |
| Conductor section Flexible max (IEC) |  | $\mathrm{mm}^{2}$ | 25 |
| Conductor section Rigid max (IEC) |  | $\mathrm{mm}^{2}$ | 35 |
| Weight |  | g | 155 |
| Relay output for remote status indication |  |  |  |
| Type of contact |  |  | CO |
| Rated current at |  |  |  |
|  | 125 V AC | A | 3 |
|  | 250 V AC | A | 0.5 |
| Dimensions |  |  |  |



## Wiring diagrams



Certifications and compliance
Compliance
IEC/EN 61643-11
Certificates
EAC
ETIM classification
EC000941 -
ETIM 8.0
Surge protection device for power supply systems

