# SA1B3PA320R

Surge protection device type 1 and 2 monoblock, IEC impulse current Iimp (10/350µs) 25kA per pole, 3P. With remote contact

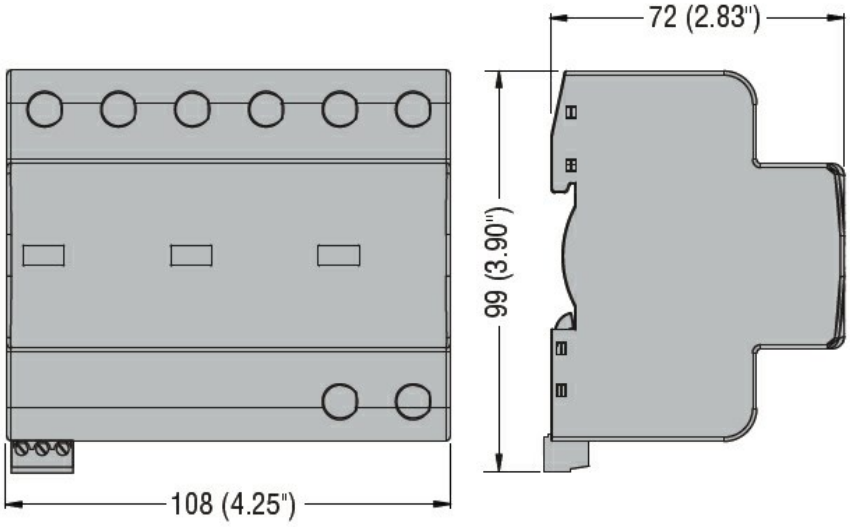


| | | | |
|---|---|---|---|
| Product designation | | | Surge Protection Device (SPD) |
| Product type designation | | | SA1B |
| Operating voltage type | | | AC |
| Application | | | AC Power lines |
| Number of poles | | | 3P |
| Number of DIN modules | | | 6 |
| Relay output | | | Yes |
| SPD according to IEC/EN 61643-11 | | | YES |
| **Electrical features** | | | |
| IEC Maximum continuous voltage Uc | | V | 320 |
| IEC Impulse current Iimp 10/350 (L-N/N-PE) | | kA | 25 |
| IEC Maximum discharge current Imax 8/20 (L-N/N-PE) | | kA | 100 |
| IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE) | | kA | 25 |
| IEC Voltage protection level Up (L-N/N-PE) | | kV | <1.4 |
| Temporary overvoltage (TOV) withstand Ut (L-N for 5s) | | V | 334 |
| Temporary overvoltage (TOV) safe fail (L-N for 120min) | | V | 438 |
| IEC Residual voltage Ures (L-N/N-PE) at 5kA (8/20) | | kV | 1.1 |
| IEC Follow current If (N-PE) rms | | A | No |
| Tripping time ta (L-N/N-PE) | | ns | <25 |
| Thermal insulation protection | | | YES |
| IEC Backup protection fuse with supply line fuse >250A (L-N/N-PE) | | Class/A | 250A gL/gG |
| IEC Maximum short circuit current at 50Hz | | kA | 50 |
| Status indicator - operating / end of life | | | Frontal indication/Aux contact |
| **Ambient conditions** | | | |
| Operating temperature | | | |
| | min | °C | -40 |
| | max | °C | +80 |
| Max altitude | | m | 2000 |
| **Mechanical features** | | | |
| Fixing | | | Din rail |
| Conductor section Flexible max (IEC) | | mm² | 25 |
| Conductor section Rigid max (IEC) | | mm² | 35 |
| Weight | | g | 595 |
| **Relay output for remote status indication** | | | |
| Type of contact | | | CO |
| Rated current at | | | |
| | 125V AC | A | 3 |
| | 250V AC | A | 0.5 |
| | 125V DC | A | 0.2 |
| | 250V DC | A | 0.1 |
| **Dimensions** | | | |

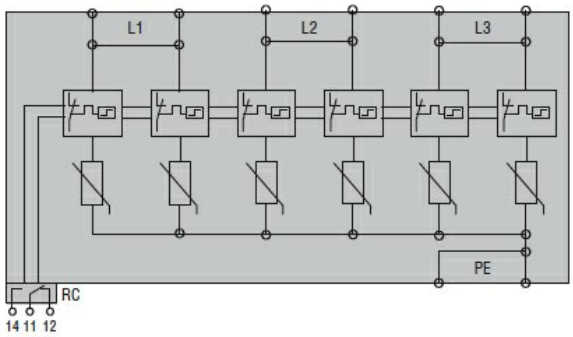

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## Wiring diagrams




## Certifications and compliance

Compliance

IEC/EN 61643-11

Certificates

EAC

## ETIM classification

ETIM 8.0

EC000941 - Surge protection device for power supply systems


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