

APS- SPD LV 2P CLASS I+II 230VAC

G25/320-S/2P

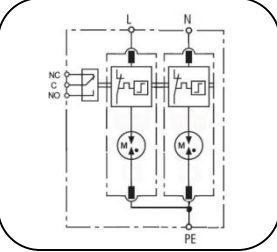


MAIN FEATURES

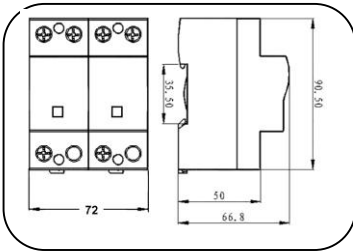
Type 1+2 surge arrester designed for low-voltage power supply system protection against surges and even direct lightning strikes at the boundaries from lightning protection zone OB -2 and higher.

- Encapsulated spark gap technology to guarantee reliability in rugged environment
- Comply with IEC61643-11 standard, surge arrester for use in TN-S systems
- Discharge capacity i_{imp} 25kA 10/350 per pole
- Low voltage protection level
- With remote signaling contact and failure indicator optional

Basic circuit diagram



Dimension drawing



TECHNICAL SPECIFICATIONS

| | | |
|--|-------------------------------|--|
| Part. No | G25/320-S/2P | |
| In accordance with | IEC 61643-11:2011; UL1449-4th | |
| Category IEC / VDE | I+II / B+C | |
| Max. Continuous Operating Voltage (V) | AC/DC | 320/420 |
| Nominal Discharge Current (8/20) | I_n | 25kA |
| Max. Discharge Current (8/20) | I_{max} | 100kA |
| Lightning Impulse Current (10/350) | i_{imp} | 25kA |
| Voltage Protection Rating | @1.2/50 | <1.6kV |
| Response Time | | ≤100 ns |
| Short-circuit Current Rating (I _{scrr}) & Follow Current Interrupt Rating (I _{fi}) | | I _{scrr} = 10kArms ; I _{fi} ≥ 10kArms@255Vac |
| Backup Fuse (only if not provided by mains) | | 250A gL / gC |
| Operating Temperature Range | | - 40 °C ~ + 80 °C |
| Cross-section of Connection Wire | | Single-strand 35mm ² ; multi-strand 25mm ² |
| Mounting | | 35mm DIN-rail in accordance with EN 50022 / DIN46277-3 |
| Enclosure Material | | Thermoplastic; extinguishing degree UL94 V-0 |
| Degree of Protection | | IP20 |
| Installation Width | | 4 modules, DIN 43880 |
| Thermal Disconnecter | | Internal green – normal; red – failure |
| Remote Alarm Contact | | Optional |
| Approvals, Certifications | | CE |
| Additional Data for Remote Alarm Contacts | | |
| Remote Alarm Contact Type | | Isolated Form C |
| Switching Capability Un / In | | AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A |
| Max. Size of Connecting Wire | | Max. 1.5mm ² (or # 16AWG) |



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