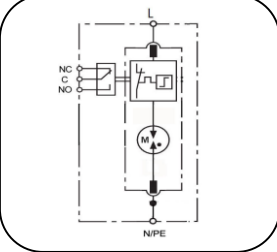


APS- SPD LV 1P CLASS I+II 1P

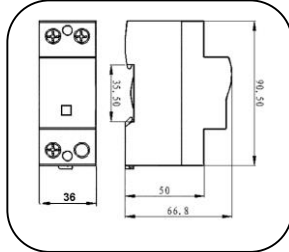
G25/320-S



Basic circuit diagram



Dimension drawing



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
- Discharge capacity Iimp 25kA 10/350 per pole
- For L-N/PE protection
- Low voltage protection level
- With remote signaling contact and failure indicator optional

TECHNICAL SPECIFICATIONS

Part. No	G25/320-S	
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		2 modules, DIN 43880
Thermal Disconnect		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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