

# APS- SPD LV 4P CLASS I+II 230VAC

G25/320-S/4P

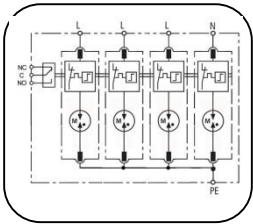


## MAIN FEATURES

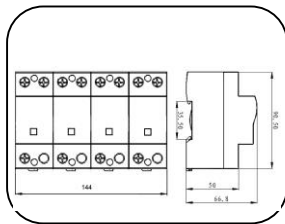
Type 1+2 surge arrester designed for low-voltage power supply system protection against surges and even direct lightning strikes at the boundaries from lightning protection zone OB -2 and higher.

- 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/4P
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 ( $I_{fi}$ )		$I_{scrr} = 10kArms$ ; $I_{fi} \geq 10kArms@255Vac$
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 <sup>2</sup> ; multi-strand 25mm <sup>2</sup>
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		8 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 $I_{un}$ / $I_n$		AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of Connecting Wire		Max. 1.5mm <sup>2</sup> (or # 16AWG)



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