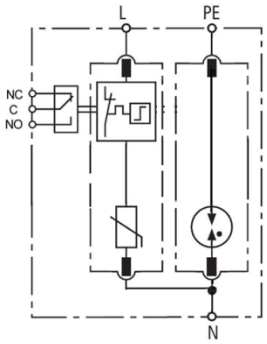
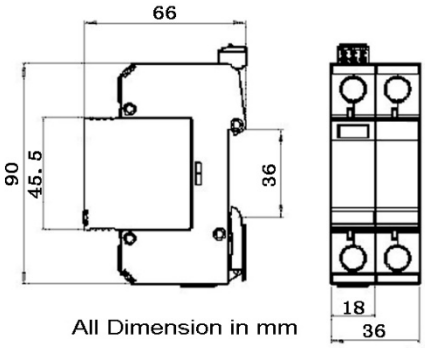
SURGE ARRESTERS – CLASS II

S-DS80P/275-(V+T)-S



Basic circuit diagram



Dimension drawing

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

- Comply with IEC 61643-11, apply to single phase TT and TN systems (“1+1” circuit).
- High Discharge Capacity with 8/20 us waveform, Imax 80kA.
- 18mm. per pole, consist of pluggable module and base, easy maintenance.
- Reliable supervision due to disconnection device.
- Visual status indication and remote signal contact available.

Type		S-DS80P/275-(V+T)-S
In accordance with		IEC61643-11:2011; UL1449 4th
Category IEC/VDE		II/ C
Max. continuous operating voltage	L-N (AC/DC)	275 / 350
	N-PE (AC)	255
Nominal discharge current(8/20) In		40 kA
Max. discharge current(8/20) Imax		80 kA
Voltage protection level Up	L-N@In	<1.3 kV
	L-N@VPR	<1.0 kV
	N-PE(1.2/50)	<1.5 kV
Response time	L-N	≤ 25 ns
	N-PE	≤ 100 ns
Follow current	L-N	No
	N-PE	Ifi: 100Arms @ 255Vac
Backup fuse (only required if not already provided in mains)		200A gL/gG
Operating temperature range		- 40°C ~ + 80°C
Cross-section of connection wire		Single-strand 35mm²; multi-strand 25mm²
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 disconnector		Internal green – normal ; red - failure
Remote alarm contact		Optional
Approvals, Certifications		CE
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. 1.5mm²(or # 16AWG)

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