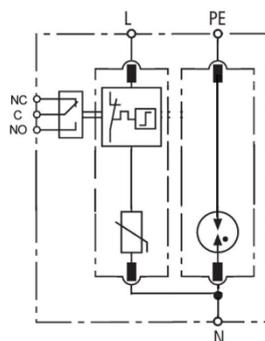
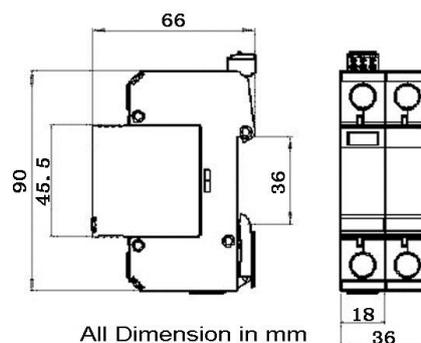


SURGE ARRESTERS – CLASS II

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



Basic circuit diagram



All Dimension in mm

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, I_{max} 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) I _n	40 kA	
Max. discharge current(8/20) I _{max}	80 kA	
Voltage protection level Up	L-N@I _n	<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	I _{fi} : 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 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 disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	Optional	
Approvals, Certifications	CE	
Remote alarm contact type	Isolated Form C	
Switching capability 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 ² (or # 16AWG)	