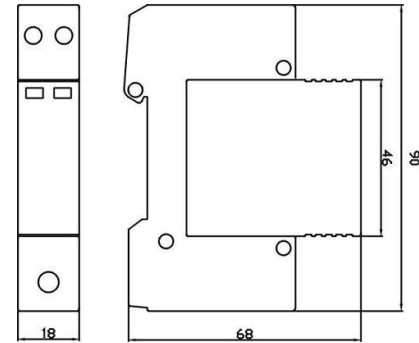


Basic circuit diagram



Dimension drawing

Surge arrester for low-voltage DC power supply system protection against surges at the boundaries from lightning protection zone 2-3 and higher.

Type	S-MDSS20/24-2V-S
In accordance with	IEC61643-11:2011
Category IEC/VDE	II+III
Nominal voltage	24Vdc
Max. continuous operating voltage (AC/DC)	35V/45V
Open circuit voltage Uoc	10kV
Nominal discharge current(8/20) In	5kA
Max. discharge current(8/20) Imax	20kA
Voltage protection level Up@In	<250V
Response time	≤25 ns
Follow current & Leakage current	No
Backup fuse (only required if not already provided in mains)	32A gL/gG
Operating temperature range	- 40°C ~ + 80°C
Cross-section of connection wire	Single-strand 10mm ² ; multi-strand 6mm 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	1 module, DIN 43880
Thermal disconnect	Internal red - failure
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)