

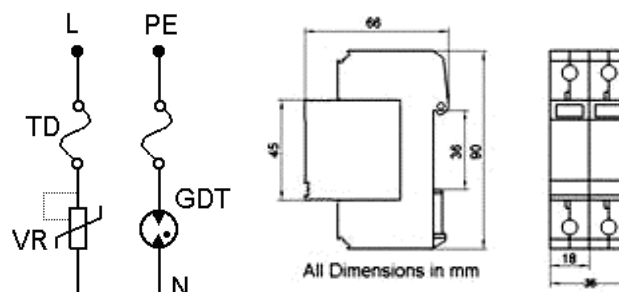
Single Phase (1 MOV and 1 GDT Module) Surge Protective Devices

TYPE: D1-20/275-VG-R

Surge arrester for low-voltage power supply system
protection against surges at the boundaries from
lightning protection zone 0B-1 and higher

Terminal Block Modules series

- Class II (C) arrester in according with IEC61643-11.
- Two part design consisting of base and plug-in module.
- High energy MOV (Metal Oxide Varistor) for L-N and GDT for N-PE.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal.



Technical Data

Type (50Hz/60Hz)	D1-20/275-VG-R	
Nominal Voltage	1Φ 2W+G 220/380V	
In accordance with	IEC61643-11	UL1449 3rd
Category IEC/VDE	Class II/C	Type 1& 2
Max. continuous operating voltage (AC/DC)	L-N	275/440
	N-PE	255
Nominal discharge current(8/20) In	L-N	10KA
	N-PE	10KA
Max. discharge current(8/20) Imax	L-N	20KA
	N-PE	20KA
Voltage protection level @In	1.3KV	/
Voltage protection rating @6KV/3KA	/	1.0KV
Response time	≤100 ns	
Backup fuse(only required if not already provided in mains)	125A 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 disconnect	Internal green – normal red - failure	
Remote alarm contact	Yes	
Additional data for Remote Alarm Contacts		
Remote alarm contact type	floating changeover contact	
Switching capability UN/IN	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	
Cross-section of connection wire	Max. 1.5mm ²	