

Single Phase (2 MOV/GDT in Series Modules) Surge Protection Devices Type D1-100/***-2VG-R

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

- Class I+II (B+C) arrester in according with IEC61643-1:2005.
- Two part design consisting of base and non-pluggable protection module.
- High energy MOV (Metal Oxide Varistor) and GDT (Gas Discharge Tube) hybrid unit inside.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal optional.



Characteristics

Type	D1-100/***-2VG-R									
	150	175	275	300	320	385	440	460	600	
In accordance with	IEC61643-1:2005 ; UL1449 3rd									
Category IEC/VDE	I+II / B+C									
Max. continuous operating voltage (AC/DC)	150/200	175/225	275/300	300/385	320/420	385/505	440/585	460/615	600/800	
Nominal discharge	L-N	50KA								
Current (8/20) In	N-PE	50KA								
Max. discharge	L-N	100KA								
Current (8/20) Imax	N - PE	100KA								
Lightning impulse	L-N	12.5KA								
Current (10/350) Iimp	N - PE	12.5KA								
Voltage protection	@In	0.6KV	0.6KV	1.2KV	1.2KV	1.2KV	1.2KV	1.8KV	2. KV	2.4KV
Level	@3KA	0.5KV	0.5KV	0.8KV	0.8KV	0.8KV	0.8KV	1.2KV	1.5KV	1.6KV
Response time	L-N	≤25 ns								
	N-PE	≤100 ns								
Follow current	L-N	No								
	N-PE	No								
Residual current at Uc	L-N	No								
	N-PE	No								
Backup fuse	250A gL/gG									
(only required if not already provided in mains)										
Operating temperature range	- 40°C ~ + 80°C									
Cross-section of connection wire	Single-strand 35 _{mm} ² ; multi-strand 25 _{mm} 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	4 modules , DIN 43880									
Thermal disconnecter	Internal green – normal red - failure									
Remote alarm contact	Optional									

Note: Subject to change without any notice.

Dimensions and Diagram

