

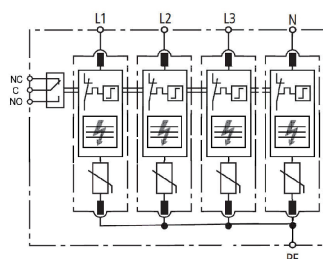


SURGE PROTECTIVE DEVICE – TYPE 1CA SPD D3-50/275-4MV-R

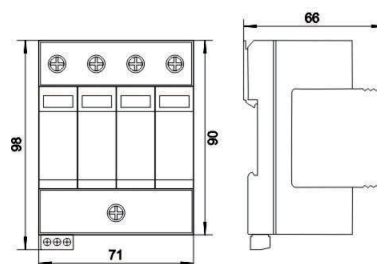
Class II, Type 1CA surge protective device especially designed for low-voltage power supply system at the boundaries from lightning protection zone 1-2 and higher

- According to IEC61643-11 and UL1449 4th
- Pluggable design with window fault indication
- Nominal discharge current I_n 20kA 8/20 per pole, max discharge current I_{max} 50kA 8/20 per pole
- High reliability due to global patented thermally protected MOV (TMOV)

with special arc-extinguish device



Basic circuit diagram



Dimension drawing

Part No.	D3-50/275-4MV-R	
In accordance with	IEC61643-11, UL1449-4th	
Category IEC/VDE	Class II/Type1CA	
Max. continuous operating voltage U_c	275Vac	
Nominal discharge current(8/20) I_n	20kA	
Max. discharge current(8/20) I_{max}	per pole	50kA
	per phase	100kA
Voltage protection rating	@ VPR	<1.2kV
Voltage protection level	@ I_n	<1.2kV
Response time	≤25 ns	
Follow current	No	
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	4 modules, DIN 43880	
Thermal disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	Yes	
Additional data for Remote Alarm Contacts		
Remote alarm contact type	Isolated Form C	
Switching capability U_n/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)	