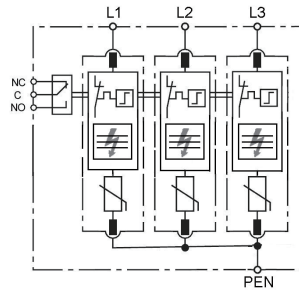


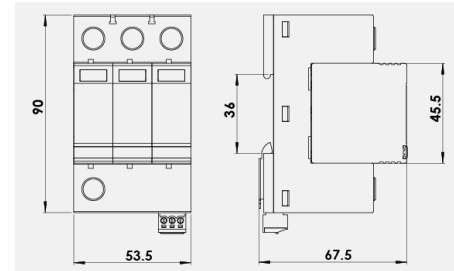
# D3-40/680-3MV-R



Basic circuit diagram



Dimension drawing



Surge arrester 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 TNC earthing system.
- High Discharge Capacity with 8/20 us waveform, I<sub>max</sub> 40kA
- High reliability due to global patented thermally protected MOV with special arc-extinguish device
- Visual status indication and remote signal contact available.

Type	D3-40/680-3MV-R	
	680	
In accordance with	IEC61643-11:2011; UL1449 3 <sup>rd</sup>	
Category IEC/VDE	II/ C	
Max. continuous operating voltage (AC/DC)	680/900	
Nominal discharge current(8/20)	I <sub>n</sub>	20kA
Max. discharge current(8/20)	I <sub>max</sub>	40kA
Voltage protection level	@I <sub>n</sub>	<3.0kV
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 <sup>2</sup> ; multi-strand 25mm <sup>2</sup>	
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	3 modules, DIN 43880	
Thermal disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	Yes	
Approvals, Certifications	CE	
Additional data for Remote Alarm Contacts	Additional data for Remote Alarm Contacts	
Remote alarm contact type	Isolated Form C	
Switching capability Un/I <sub>n</sub>	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	
Max. Size of connecting wire	Max. 1.5mm <sup>2</sup> (or # 16AWG)	