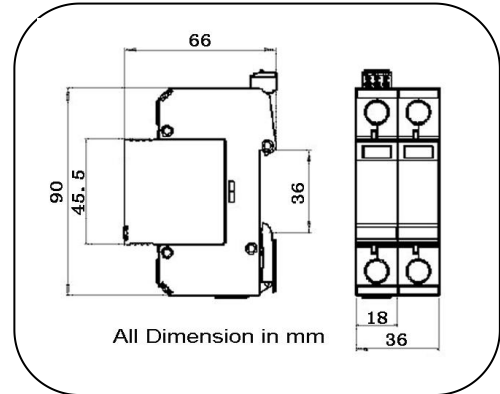


Basic circuit diagram



Dimension drawing

Type 2 surge arrester designed for low voltage DC system against surges at the boundaries from lightning protection zone 0B-2and higher.

- In accordance with EN50539, IEC61643-11 and UL1449-4th
- DC SPD for common mode protection
- Pluggable module design, easy replacement
- High discharge current 40kA 8/20
- Reliable supervision due to disconnection device;
- Fault indication by red indication flag in window;
- With remote alarm terminal optional;

Part No.		PV40-48-V-C(-S)	PV40-120-V-C(-S)	PV40-200-V-C(-S)	PV40-300-V-C(-S)	PV40-350-V-C(-S)
In accordance with		EN50539;IEC61643-11:2011; UL1449-4th				
Category IEC/VDE		II/ C				
Protection Mode		Common mode				
Nominal voltage (Vdc)	Un	48	120	200	300	350
Max. continuous operating voltage (Vdc)	Ucpv	75	150	250	350	410
Nominal discharge current(8/20us)	In	20kA				
Max. discharge current(8/20us)	Imax	40kA				
Voltage protection rating	Up	<0.35kV	<0.7kV	<1.0kV	<1.3kV	<1.5kV
	VPR	<0.3kV	<0.4kV	<0.7kV	<0.9kV	<1.0kV
Short-circuit current rating(Iscpv)		1000A				
Response time		≤25 ns				
Follow current		No				
Backup fuse(only required if not already provided in)		125A gR/gPV				
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		Optional				
Approvals, Certifications		CE				
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)				