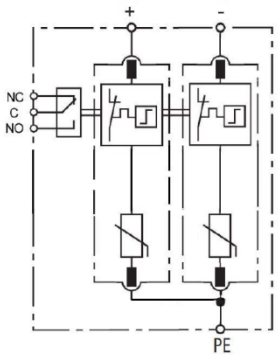
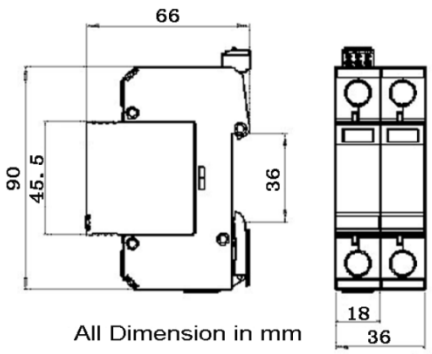
PV SURGE ARRESTERS – CLASS II

S-PV40-600-V-C(-S)



Basic circuit diagram



Dimension drawing

Type 2 SPD designed for low voltage system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- Class II surge protector for Photovoltaic system
- EN50539 compliance
- Type 2, common mode surge protection, 40kA surge arrester
- Pluggable design SPD, easy replacement
- Reliable supervision due to disconnection device;
- Fault indication by red indication flag in window;

Part No.		S-PV40-600-V-C(-S)
In accordance with		IEC61643-11, EN50539
Category IEC/VDE		II/ C
Protection Mode		Common mode
Nominal Voltage Un		600 Vdc
Max. continuous operating voltage Ucpv		670 Vdc
Nominal discharge current(8/20) In		20 kA
Max. discharge current(8/20) Imax		40 kA
Voltage protection rating	Up	<2.2 kV
	VPR	<1.7 kV
Short-circuit current rating (Iscpv)		1000 A
Response time		≤ 25 ns
Follow current		No
Backup fuse (only required if not already provided in mains)		125A gR/gPV
Operating temperature range		- 40ºC ~ + 80ºC
Cross-section of connection wire		Single-strand 35mm²; multi-strand 25mm²
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 disconnector		Internal green – normal ; red - failure
Remote alarm contact		Optional
Approvals, Certifications		CE
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. 1.5mm²(or # 16AWG)

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