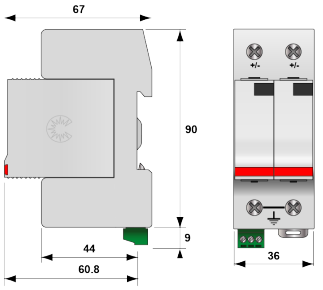
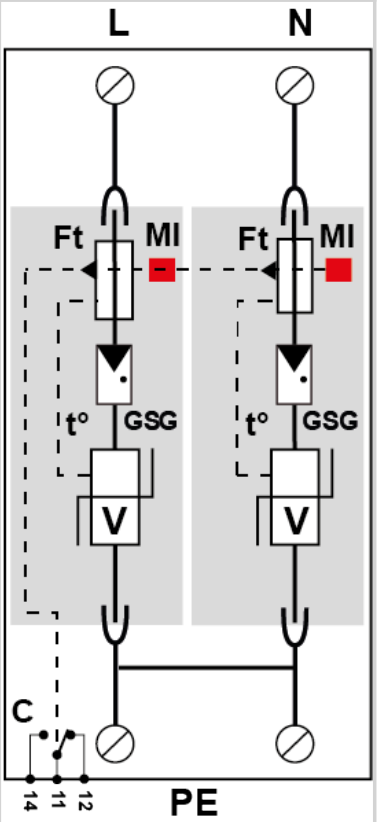
2-Pole 450 Vdc surge protector

DS42VGS-450DC



- Type 2 SPD for DC power
- VG technology
- In 10 kA / Imax 40 kA
- Pluggable module
- LeakAge and operating currents : none
- No ageing
- Remote signaling status
- Conforme prIEC 61643-41 and UL1449 ed.5
- Certified EN 61643-31 / IEC 61643-31





V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	2
Network		400 Vdc
Nominal PV voltage	Uocstc	350 Vdc
Max. PV operating voltage	Ucpv	450 Vdc
Max. DC operating voltage	Uc	450 Vdc
PV Permanent Operating current *Current consumption at Ucpv*	Icpv	None
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	10 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/PE and -/PE
Protection mode(s)		Common mode
Protection level +/- *@ In (8/20µs)*	Up	2.5 kV
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	1.5 kV
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		2-poles
Connection to Network		By screw terminals: 2.5-25mm² / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+58°C
Protection rating		IP20
Failsafe mode		Disconnection from DC network
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40VG-450DC
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Fuses type gG - 50 A
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / prIEC 61643-41 and UL1449 ed.5
Certification		KEMA
Part number		
46287132		