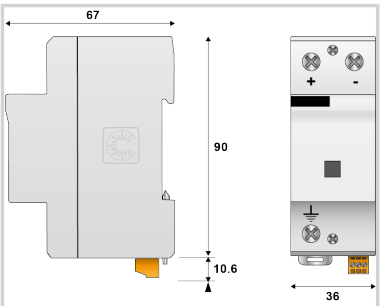
1-pole Type 1 and Type 2 SPD for 48 Vdc

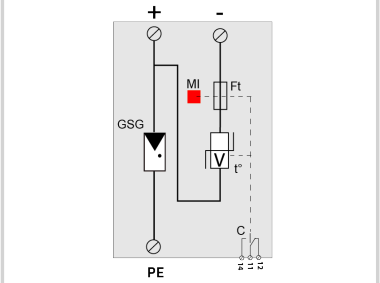
DS252C-48DC/G



- 2-poles surge protector 48 Vdc
- Type 1 and Type 2 application
- In 25 kA / Imax 70 kA
- Remote signaling
- Iimp 25 kA
- IEC 61643-11 and EN61643-11 compliance

CE





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	1+2
Network		48 Vdc
Nominal line voltage	Un	48 Vdc
Nominal DC voltage	Un-dc	48 Vdc
Max. DC operating voltage	Uc	75 Vdc
Residual Current *Leakage current to Ground*	Ipe	None
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	25 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	70 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	140 kA
Impulse current by pole *max. withstand 10/350µs by pole*	Iimp	25 kA
Total lightning current *max. total withstand @ 10/350µs*	Itotal	50 kA
Specific energy by pole *max. withstand 10/350 µs*	W/R	156 kJ/ohm
Connection mode(s)		+/- and +/PE
Protection mode(s)		Common/Differential mode
Protection level +/- *@ In (8/20µs)*	Up	0.5 kV
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	1.5 kV
Admissible short-circuit current	Isccr	50 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		2-poles
Connection to Network		By screw terminals: 6-35mm² / by bus
Format		1-pole modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from DC network
Disconnection indicator		1 mechanical indicator
Spare module(s)		DSM70R-48DC
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Fuses type gG - 315 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Environmental standards		EU RoHS
Part number		
3415		