



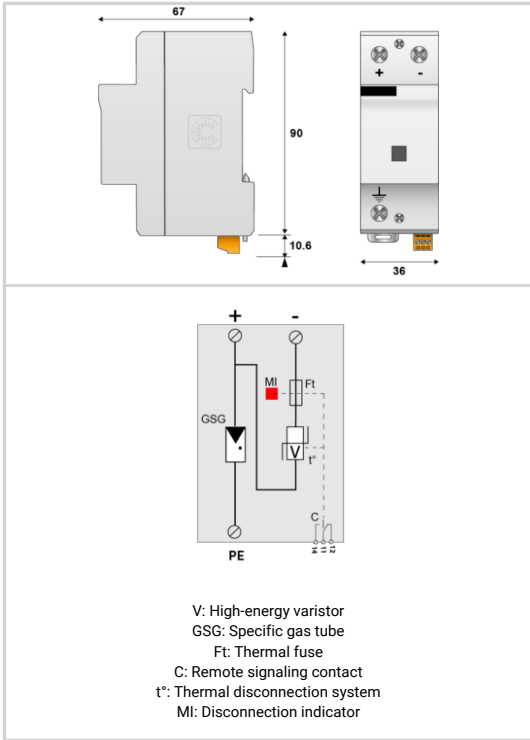
1-pole Type 1 and Type 2 SPD for 48 Vdc

CITEL

DS252C-48DC/G



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



Electrical Characteristics		
SPD type		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	I _{pe}	None
Leakage current to Ground		
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	25 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	70 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	140 kA
Impulse current by pole max. withstand 10/350 μs by pole	I _{imp}	25 kA
Total lightning current max. total withstand @ 10/350 μs	I _{total}	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 +/- @ I _n (8/20 μs)	U _p	0.5 kV
Protection level +/-PE (-/PE) @ I _n (8/20 μs)	U _p	1.5 kV
Admissible short-circuit current	I _{sc}	50 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		2-poles
Connection to Network		By screw terminals: 6-35mm ² / by bus
Format		1-pole modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-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
Weight		0.205 kg
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
Certification		UL
Part number		
3415		

