



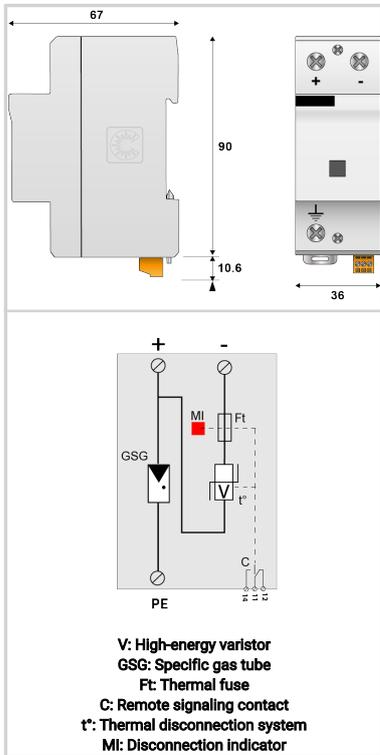
CITEL

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 / I_{max} 70 kA
- Remote signaling
- I_{imp} 25 kA
- IEC 61643-11 and EN61643-11 compliance



Electrical Characteristics		
SPD type	IEC	1+2
Network		48 Vdc
Nominal line voltage	U _n	48 Vdc
Nominal DC voltage	Un-dc	48 Vdc
Max. DC operating voltage	U _c	75 Vdc
Residual Current		
Leakage current to Ground	I _{pe}	None
Follow current	I _f	None
Nominal discharge current	I _n	25 kA
15 x 8/20 μs impulses		
Max. discharge current	I _{max}	70 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I _{max} Total	140 kA
max. total withstand @ 8/20 μs		
Impulse current by pole	I _{imp}	25 kA
max. withstand 10/350 μs by pole		
Total lightning current	I _{total}	50 kA
max. total withstand @ 10/350 μs		
Specific energy by pole	W/R	156 kJ/ohm
max. withstand 10/350 μs		
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		cRUus
Part number		
3415		

