



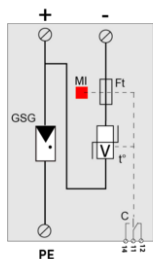
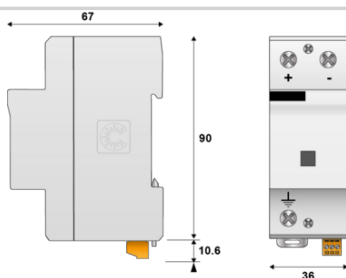
CITEL

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



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	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	I _{pe} None
Follow current	I _f None
Nominal discharge current 15 x 8/20 μ s impulses	I _n 25 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max} 70 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max} Total 140 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I _{imp} 25 kA
Total lightning current max. total withstand @ 10/350 μ s	I _{total} 50 kA
Specific energy by pole max. withstand 10/350 μ s	W/R 156 kJ/ohm
Connection mode(s)	+/- and +/-PE
Protection mode(s)	Common/Differential mode
Protection level +/- @ I _n (8/20 μ s)	U _p 0.5 kV
Protection level +/-PE (-/-PE) @ I _n (8/20 μ s)	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

