



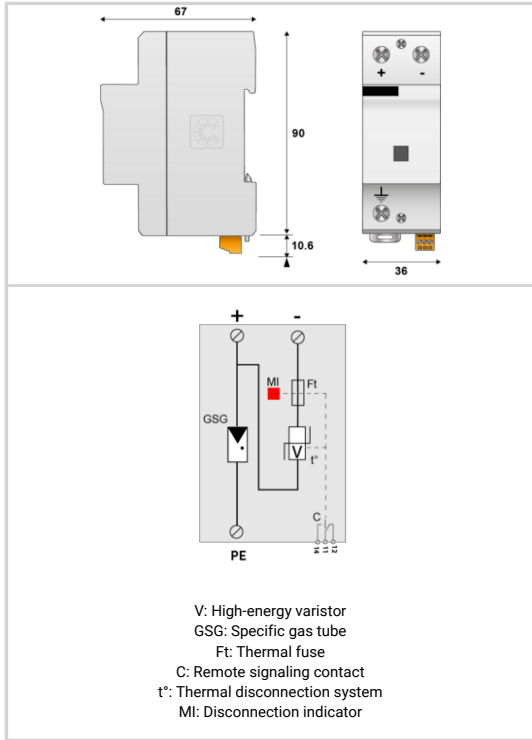
# 1-pole Type 1 and Type 2 SPD for 48 Vdc

# CITEL

## DS252C-48DC/G



- ↳ 2-poles surge protector 48 Vdc
- ↳ Type 1 and Type 2 application
- ↳ In 25 kA / I<sub>max</sub> 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 <sub>pe</sub> None
Leakage current to Ground	
Follow current	I <sub>f</sub> None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub> 25 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub> 70 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total 140 kA
Impulse current by pole max. withstand 10/350 μs by pole	I <sub>imp</sub> 25 kA
Total lightning current max. total withstand @ 10/350 μs	I <sub>total</sub> 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 (8/20 μs)	U <sub>p</sub> 0.5 kV
Protection level +/-PE (-/PE) @ In (8/20 μs)	U <sub>p</sub> 1.5 kV
Admissible short-circuit current	I <sub>sc</sub> 50 000 A
Mechanical Characteristics	
Technology	MOV+GDT
SPD configuration	2-poles
Connection to Network	By screw terminals: 6-35mm <sup>2</sup> / by bus
Format	1-pole modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub> -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	

