



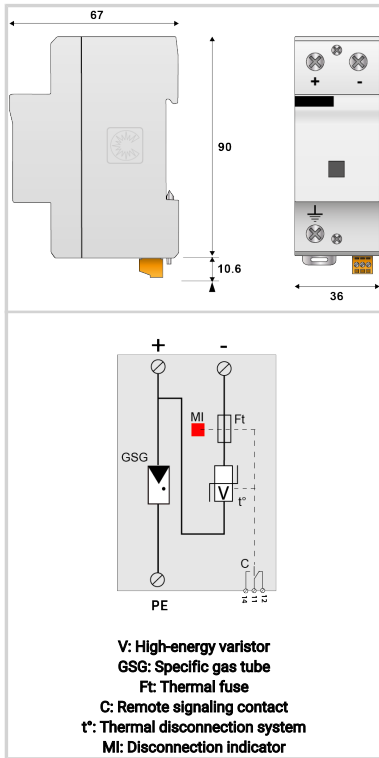
# CITEL

## 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 / Imax 70 kA
- Remote signaling
- limp 25 kA
- IEC 61643-11 and EN61643-11 compliance



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	In	25 kA
15 x 8/20 µs impulses		
Max. discharge current	Imax	70 kA
max. withstand @ 8/20 µs by pole		
Total Maximum discharge current	Imax Total	140 kA
max. total withstand @ 8/20 µs		
Impulse current by pole	limp	25 kA
max. withstand 10/350µs by pole		
Total lightning current	Itotal	50 kA
max. total withstand @ 10/350µs		
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 +/-	Up	0.5 kV
@ In (8/20µs)		
Protection level +/-PE (-/PE)	Up	1.5 kV
@ In (8/20µs)		
Admissible short-circuit current	Iscrr	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	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
Certification		cRUus
Environmental standards		EU RoHS
Part number		
<b>3415</b>		

