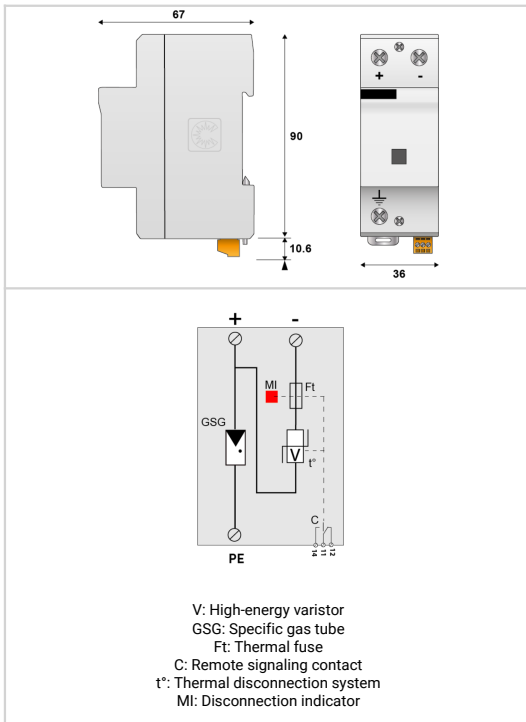


## DS252C-48DC/G



- ✦ 2-poles surge protector 48 Vdc
- ✦ Type 1 and Type 2 application
- ✦ In 25 kA / I<sub>max</sub> 70 kA
- ✦ Remote signaling
- ✦ I<sub>imp</sub> 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	I <sub>pe</sub>	None	
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 10/350µs by pole	I <sub>imp</sub>	25 kA	
Total lightning current max. total withstand @ 10/350µs	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 +/- @ I <sub>n</sub> (8/20µs)	U <sub>p</sub>	0.5 kV	
Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20µs)	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			