



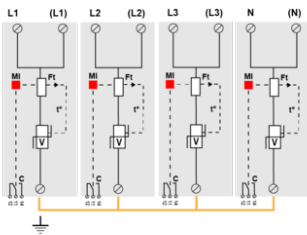
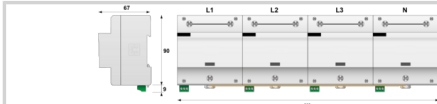
# CITEL

## Type 1+2 AC surge protector - 1-pole

### DS254VG-1000



- Type 1+2 surge protector
- In : 30 kA
- Iimp : 25 kA
- Low voltage Up
- Internal disconnection, status indicator
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed4 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		1000 V 2-phase+N
AC system		TNS
Nominal line voltage	Un	900 V
Max. AC operating voltage	Uc	1000 Vac
Max. load current @25°C	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	1320 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	1732 Vac withstand
Residual Current Leakage current to Ground	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	30 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I <sub>max</sub>	60 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	I <sub>max</sub> Total	240 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>	100 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	U <sub>oc</sub>	6 kV
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm
Protection level @ In (8/20µs)	Up	4.0 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	2.6 kV
Admissible short-circuit current	I <sub>sc</sub>	50 000 A

#### Mechanical Characteristics

Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase+Neutral
Connection to Network		By screw: 6-35mm <sup>2</sup> (50mm <sup>2</sup> flexible)
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 AC network
Disconnection indicator		1 mechanical indicator
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram - 20 TE, DIN 43880
Weight		3 kg

#### Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses type gG - 315 A

#### Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		

#### Part number

**64015**

