



Type 1+2+3 AC surge protector

CITEL

DS252VG-690



- Type 1+2 surge protector
- For 400/690 V network
- In: 30 kA
- Iimp: 25 kA
- Low voltage Up
- Internal disconnection, status indicator
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



	Electrical Characteristics	
	SPD type	IEC 1+2+3
	Network	400/690 Vac Single-phase
	AC system	TN
	Nominal line voltage	Un 690 Vac
	Max. AC operating voltage	Uc 760 Vac
	Max. load current <i>if series connection</i>	IL 100 A
	Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 1050 Vac withstand
	Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 1350 Vac withstand
<p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>	Residual Current <i>Leakage current to Ground</i>	Ipe None
	Follow current	If None
	Nominal discharge current <i>15 x 8/20 μs impulses</i>	In 30 kA
	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max} 100 kA
	Impulse current by pole <i>max. withstand 10/350 μs by pole</i>	I _{imp} 25 kA
	Withstand on overvoltages IEEE C62.41.1	20 kV
	Specific energy by pole <i>max. withstand 10/350 μs</i>	W/R 156 kJ/ohm
	Connection mode(s)	L/N or L/PE
	Protection mode(s)	Common Mode or Differential Mode
	Protection level L/PE <i>@ In (8/20 μs)</i>	Up L/PE 4 kV
	Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20 μs)</i>	Up-5kA 2.6 kV
	Admissible short-circuit current	I _{sc} 50 000 A
Mechanical Characteristics		
Technology	VG Technology (MOV+GSG)	
SPD configuration	Single phase	
Connection to Network	By screw: 6-35mm ² (50mm ² 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	
Weight	1.4 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		
64012		

