



Type 1+2 AC surge protector - 1-pole

CITEL

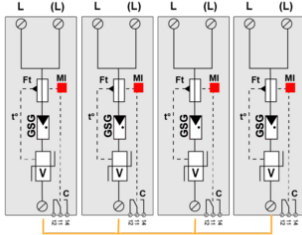
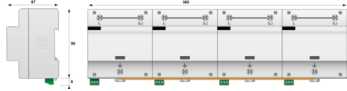
DS254VG-690



- 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 ed4 compliance



Electrical Characteristics	
SPD type	1+2
Network	400/690 V 3-phase+N
AC system	TNC-IT
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
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 10/350μs by pole</i>	I _{imp} 25 kA
Total lightning current <i>max. total withstand @ 10/350μs</i>	I _{total} 100 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/PE
Protection mode(s)	Common mode
Protection level L/PE <i>@ In (8/20μs)</i>	Up L/PE 4 kV
Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20μs)</i>	Up-5kA 2.6 kV
Admissible short-circuit current	I _{sc} 50 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase+Neutral
Connection to Network	By screw: 6-35mm ² (50mm ² flexible)
Format	1-pole modular box assembled
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 by pole
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.41 kg
Disconnectors	
Thermal disconnecter	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuse assembly: SFD1-25-40S / or Fuses Type gG 315 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	
Part number	
2546902	



V: High-energy varistor
 GSG: Specific gas tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

