



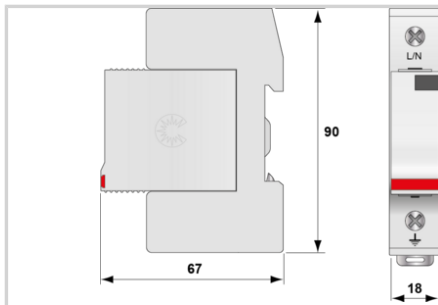
Type 2+3 AC surge protector - one-phase - pluggable

CITEL

DS41VG-120



- ↳ Discover our latest innovation : the [DAC50VG-10-150](#)
- ↳ Type 2 + 3 AC surge protector
- ↳ In : 20 kA
- ↳ I_{max} : 40 kA
- ↳ Pluggable module
- ↳ Follow and operating current : none
- ↳ No ageing
- ↳ Optional remote signaling state
- ↳ Optimized to TOV
- ↳ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics

SPD type		2+3
Network		120/208 V
Nominal line voltage	Un	120 Vac
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	230 Vac withstand
Residual Current	I _{pe}	None
Leakage current to Ground		
Follow current	I _f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	40 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	U _{oc}	6 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Connection mode(s)		L/N or N/PE
Protection mode(s)		Common Mode or Differential Mode
Protection level <i>@ I_n (8/20μs)</i>	U _p	1.25 kV
Residual voltage <i>@ I_n (8/20 μs)</i>	U _{p-in}	0.6 kV
Admissible short-circuit current	I _{sc}	25 000 A

Mechanical Characteristics

Technology		VG Technology (MOV+GSG)
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm ² / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator
Spare module(s)		DSM40VG-120
Remote signaling of disconnection		option DS41VGS-120 : output on changeover contact
Dimensions		See diagram

Disconnectors

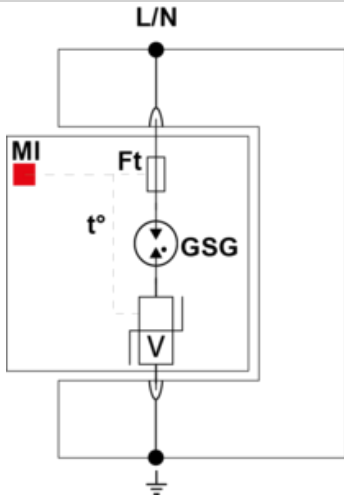
Thermal disconnecter		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses type gG - 50 A

Standards

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

Part number

331651



V: High-energy varistor
GSG: Specific Gas Tube
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

