



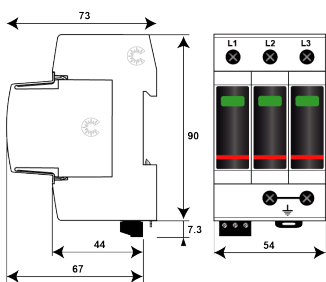
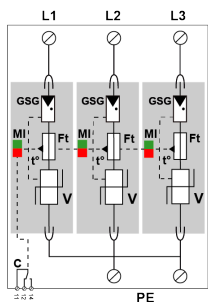
CITEL



Type 2 AC surge protector - 3-phase

DAC50VGS-30-150

- › Type 2 + 3 AC surge protector
- › VG Technology
- › In : 20 kA
- › No leakage current
- › Pluggable module for each phase
- › Remote signaling
- › Optimized to TOV
- › EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



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

Electrical Characteristics

SPD type	IEC	2+3
Network		120/208 V
AC system		TNC
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>Leakage current to Ground</i>	Ipe	None
Follow current	If	None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In	20 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I _{max}	50 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 µs</i>	I _{max} Total	150 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50µs - 8/20µs</i>	Uoc	6 kV
Connection mode(s)		L/PE
Protection level L/PE <i>@ In (8/20µs)</i>	Up L/PE	1.5 kV
Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20µs)</i>	Up-5kA	0.4 kV
Admissible short-circuit current	Iscrr	50 000 A

Mechanical Characteristics

Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase
Connection to Network		By screw terminals: 2.5-25mm ² (35mm ² rigid)
Format		Plug-in 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 by pole - Red/Green
Spare module(s)		MDAC50VG-150
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm ² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 3 TE (EN43880)

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		50 A min. - 160 A max. - Fuses Type gG

Standards

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

Part number

821130123

