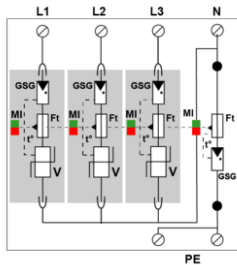
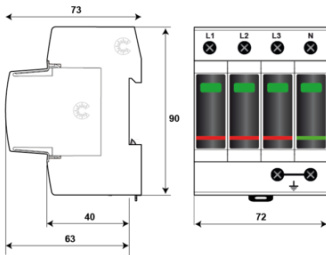




- Type 2 + 3 AC surge protector
- VG Technology
- In: 20 kA
- No leakage current
- Pluggable module for each phase
- Remote signaling (option)
- Optimized to TOV
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



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

Electrical Characteristics

SPD type	2+3
Network	120/208 V 3-phase+N
AC system	TT-TNS
Max. AC operating voltage	Uc 150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 Vac withstand
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms withstand
Residual Current Leakage current to Ground	Ipe None
Follow current	If None
Nominal discharge current 15 x 8/20 μ s impulses	In 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	Imax 50 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	Imax Total 50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	Uoc 6 kV
Connection mode(s)	L/N and N/PE
Protection level @ In (8/20 μ s) and @ 6 kV (1,2/50 μ s)	Up L/N 1.5 kV
Protection level N/PE @ In (8/20 μ s) and @ 6 kV (1,2/50 μ s)	Up N/PE 1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20 μ s)	Up-5kA 0.4 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 μ s)	Up-5kA 0.4 kV
Admissible short-circuit current	Iscrr 50 000 A

Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase+Neutral
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 + MDAC50G-255
Remote signaling of disconnection	option DAC50VGS-31-150 : output on changeover contact
Dimensions	See diagram - 4TE (EN43880)
Weight	0.324 kg

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

821130134