

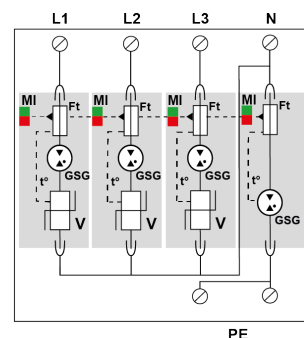
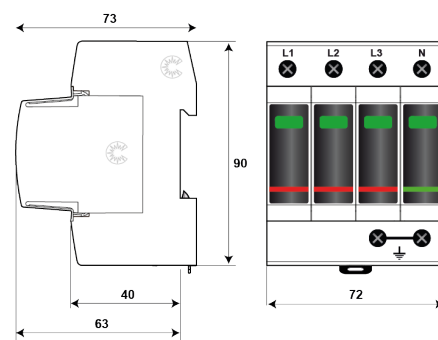


DAC50VG-31-320

- 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 and UL1449 ed.4 compliance



Electrical Characteristics		
SPD type		2+3
Network		230/400 V 3-phase+N
AC system		TT-TNS
Max. AC operating voltage L-N	U_c	320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	U_T	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	U_T	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	U_T	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	I_{pe}	None
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}	50 kA
Total Maximal discharge current <i>max. total withstand @ 8/20 μs</i>	I_{max} <i>Total</i>	50 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	U_{oc}	6 kV
Connection mode(s)		L/N and N/PE
Protection level L/N <i>@ In (8/20μs)</i>	U_p L/N	1.5 kV
Protection level N/PE <i>@ In (8/20μs)</i>	U_p N/PE	1.5 kV
Residual voltage L/N at 5 kA <i>@ 5 kA (8/20μs)</i>	U_p -5kA	0.9 kV
Protection level N/PE at 5 kA <i>@ 5 kA (8/20μs)</i>	U_p -5kA	0.9 kV
Admissible short-circuit current	I_{sccr}	50 000 A



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



CITEL

Type 2 AC surge protector - 3-phase+N

AC POWER

Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 2.5-25 mm ² (35 mm ² rigid)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-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-320+MDAC50G-320
Remote signaling of disconnection		option DAC50VGS-31-320: output on changeover contact
Wiring for remote signaling		1.5 mm ² max.
Maw. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 4TE (EN43880)
Weight		0.340 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 160 A max. - Fuses Type gG
Standards		
Standards compliance		UL1449 ed. 4
Certification		IEC 61463-11 / EN 61643-11
Part Number		821130334