



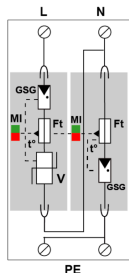
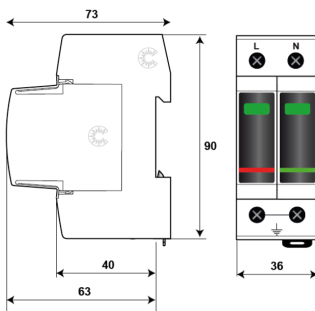
CITEL

Type 2 AC surge protector - Single-phase

DAC50VG-11-320



- ❖ 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 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	IEC		2+3
Network			230 V single-phase
AC system			TT-TN
Max. AC operating voltage	Uc		320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT		335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT		440 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 µs impulses	In		20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}		50 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	I _{max} Total		50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc		6 kV
Connection mode(s)			L/N and N/PE
Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up L/N		1.5 kV
Protection level N/PE @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up N/PE		1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20µs)	Up-5kA		0.9 kV
Protection level N/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA		0.9 kV
Admissible short-circuit current	I _{scrr}		50 000 A
Mechanical Characteristics			
Technology			VG Technology (MOV+GSG)
SPD configuration			Single 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-320 + MDAC50G-255
Remote signaling of disconnection			option DAC50VGS-11-320 : output on changeover contact
Dimensions			See diagram - 2TE (EN43880)
Weight			0.180 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			
821130332			

