



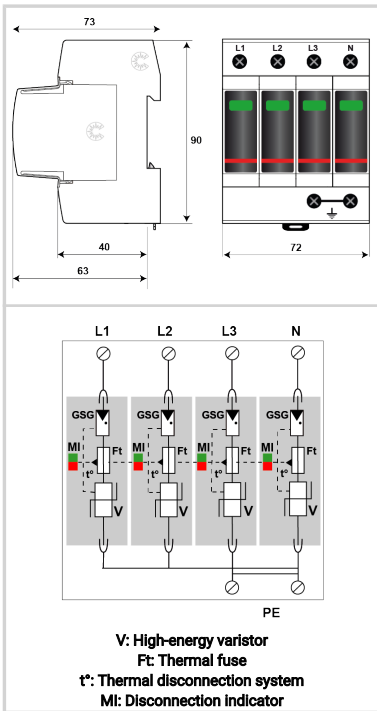
# CITEL

## Type 2 AC surge protector - 3-phase+N

### DAC50VG-40-320



- ▶ 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



Electrical Characteristics		
SPD type	IEC	2+3
Network		480 V 3-phase
AC system		TNS
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
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	Imax	50 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	200 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	6 kV
Connection mode(s)		L/PE and N/PE
Protection level N/PE @ In (8/20μs)	Up N/PE	1.5 kV
Protection level L/PE @ In (8/20μs)	Up L/PE	1.5 kV
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	0.9 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	0.9 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 <sup>2</sup> (35mm <sup>2</sup> 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
Remote signaling of disconnection		option DAC50VGS-40-320 : output on changeover contact
Dimensions		See diagram - 4TE (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		
<b>821130314</b>		

