



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

# CITEL

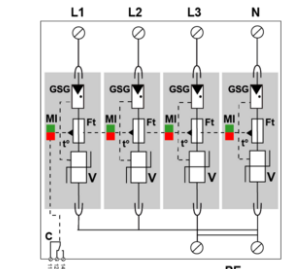
## DAC50VGS-40-150



- ↳ 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



	<b>Electrical Characteristics</b>	
	SPD type	2+3
Network	120/208 V 3-phase+N	
AC system	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
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	0.4 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	0.4 kV
Admissible short-circuit current	Iscsr	50 000 A
<b>Mechanical Characteristics</b>		
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-150	
Remote signaling of disconnection	Output on changeover contact	
Wiring for remote signaling	1.5 mm <sup>2</sup> max.	
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)	
Dimensions	See diagram - 4TE (EN43880)	
Weight	0.338 kg	
<b>Disconnectors</b>		
Thermal disconnector	Internal	
Installation ground fault breaker	Type 'S' or delayed	
Back-up protection device	50 A min. - 160 A max. - Fuses Type gG	
<b>Standards</b>		
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification	KEMA	
<b>Part number</b>		
821130124		



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

