



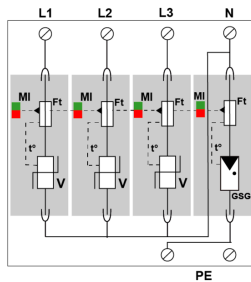
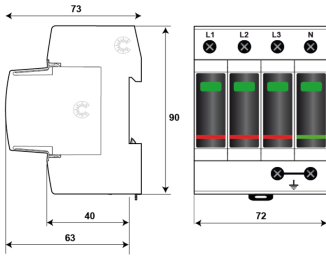
# CITEL

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

### DAC50-31-150



- ✦ Type 2 AC multipolar surge protector
- ✦ In: 20 kA
- ✦ Imax: 50 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling option
- ✦ EN 61643-11, IEC 61643-11 certified



V: High-energy varistor  
 GSG: Specific Gas Tube  
 Ft: Thermal fuse  
 t<sup>+</sup>: Thermal disconnection system  
 MI: Disconnection indicator

#### Electrical Characteristics

SPD type	IEC	2
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 disconnection
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	Imax	50 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	50 kA
Protection mode(s)		L/N and N/PE
Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up L/N	0.9 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	0.6 kV
Protection level N/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.6 kV
Admissible short-circuit current	Iscsr	50 000 A

#### Mechanical Characteristics

Technology		MOV+GDT
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)		MDAC50-150+MDAC50G-150
Remote signaling of disconnection		option DAC50S-31-150 : output on changeover contact
Dimensions		See diagram - 4TE (EN43880)
Weight		0.327 kg

#### Disconnectors

Thermal disconnecter		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG

#### Standards

Standards compliance		IEC 61643-11 / EN 61643-11
Certification		ÖVE / UL

#### Part number

821110134

