



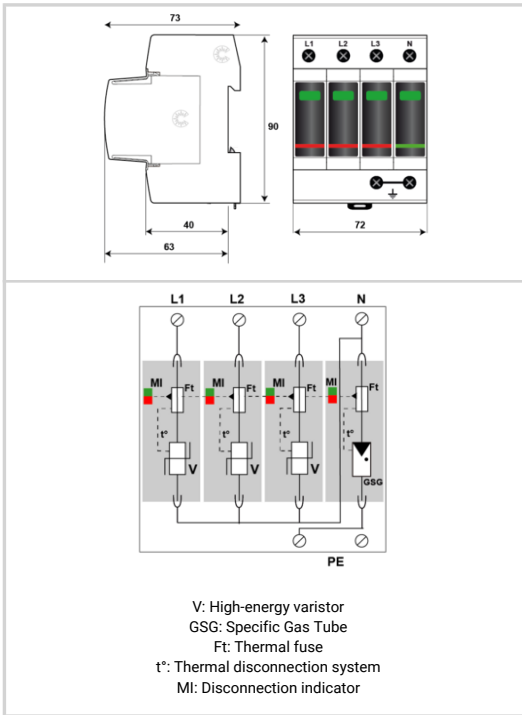
## Type 2 AC surge protector - Re-reinforced - pluggable

# CITEL

### DAC80-31-150



- Re-reinforced Type 2 AC surge protector
- $I_n$  : 40 kA
- $I_{max}$  : 80 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



Electrical Characteristics		
SPD type		2
Network		120/208 V 3-phase+N
AC system		TT-TNS
Max. AC operating voltage	$U_c$	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
Residual Current Leakage current to Ground	$I_{pe}$	< 1 mA
Follow current	$I_f$	None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	$I_n$	40 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$	80 kA
Protection mode(s)		L/N and N/PE
Protection level @ $I_n$ (8/20 $\mu$ s) and @ 6 kV (1,2/50 $\mu$ s)	$U_p$ L/N	1.2 kV
Protection level N/PE @ $I_n$ (8/20 $\mu$ s) and @ 6 kV (1,2/50 $\mu$ s)	$U_p$ N/PE	1.5 kV
Admissible short-circuit current	$I_{sc}$	50 000 A
Mechanical Characteristics		
Technology		MOV+GDT
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	$T_u$	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole - Red/Green
Spare module(s)		MDAC80-150 + MDAC80G-255
Remote signaling of disconnection		option DAC80S-31-150 : output on changeover contact
Dimensions		See diagram - 4TE (EN43880)
Weight		0.404 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses Type gG - 125 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		KEMA
Part number		
821210134		

