



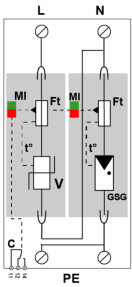
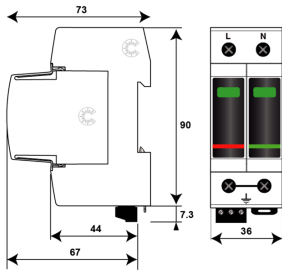
# CITEL

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

### DAC80S-11-385



- ✦ Re-inforced Type 2 AC surge protector
- ✦ In: 40 kA
- ✦ I<sub>max</sub>: 80 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling
- ✦ EN 61643-11, IEC 61643-11 certified
- ✦ UL1449 ed.5 compliance



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

Electrical Characteristics			
SPD type	IEC		2
Network			230 V single-phase
AC system			TT-TN
Max. AC operating voltage	U <sub>c</sub>		385 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT		500 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT		650 Vac disconnection
Residual Current Leakage current to Ground	I <sub>pe</sub>		< 1 mA
Follow current	I <sub>f</sub>		None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>		40 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>		80 kA
Protection mode(s)			L/N and N/PE
Protection level @ I <sub>n</sub> (8/20μs) and @ 6 kV (1,2/50 μs)	Up L/N		1.8 kV
Protection level N/PE @ I <sub>n</sub> (8/20μs) and @ 6 kV (1,2/50 μs)	Up N/PE		1.5 kV
Admissible short-circuit current	I <sub>scr</sub>		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 <sub>u</sub>		-40/+85°C
Protection rating			IP20
Failsafe mode			Disconnection from AC network
Disconnection indicator			1 mechanical indicator by pole - Red/Green
Spare module(s)			MDAC80-385 + MDAC80G-255
Remote signaling of disconnection			Output on changeover contact
Max. Voltage/Current for remote signaling			250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions			See diagram - 2TE (EN43880)
Weight			0.215 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			
821210542			

