



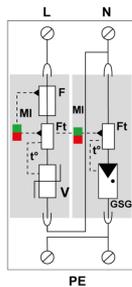
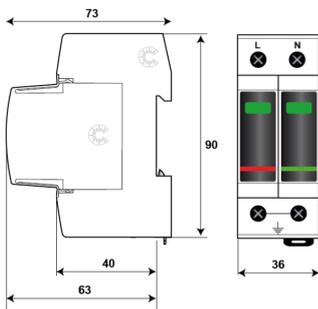
# CITEL

## Type 2 AC surge protector with integrated fuse - Single-phase

### DACF25-11-275



- ✔ Type 2 AC Multipolar surge protector
- ✔ In : 15 kA
- ✔ I<sub>max</sub> total : 50 kA
- ✔ Internal Fuse
- ✔ Pluggable module for each phase
- ✔ Remote signaling option
- ✔ EN 61643-11, IEC 61643-11 certified
- ✔ UL1449 ed.5 compliance



V: High-energy varistor  
 Ft: Thermal fuse  
 F: Overcurrent protection (fuse)  
 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>		275 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 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	I <sub>pe</sub>	None	
Follow current	I <sub>f</sub>	None	
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>		15 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>		25 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total		50 kA
Connection mode(s)			L/N and N/PE
Protection level L/N @ I <sub>n</sub> (8/20μs)	Up L/N		1.25 kV
Protection level N/PE @ I <sub>n</sub> (8/20μs)	Up N/PE		1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20μs)	Up-5kA		1 kV
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA		1 kV
Admissible short-circuit current	I <sub>sc</sub>		100 000 A
Mechanical Characteristics			
Technology			MOV+GDT
SPD configuration			Single phase
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)			MDACF25-275 + MDAC50G-255(KEMA)/F25
Remote signaling of disconnection			option DACF25S-11-275 : 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 - 2TE (EN43880)
Disconnectors			
Thermal disconnecter			Internal
Installation ground fault breaker			Type 'S' or delayed
Back-up protection device			internal (equivalent AC rating : 40 A, gG Type)
Standards			
Standards compliance			IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification			KEMA
Part number			
821410232			

