



CITEL

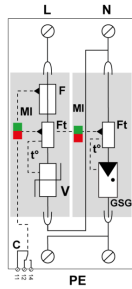
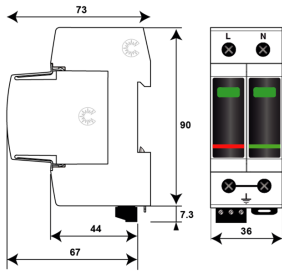
Type 2 AC surge protector - Single-phase - Integrated fuses

DACF25S-11-150



Type 2 AC surge protector

- ✦ In: 15 kA
- ✦ I_{max}: 25 kA
- ✦ Internal Disconnection device
- ✦ Pluggable module for each phase
- ✦ Remote signaling
- ✦ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



V: High-energy varistor
 Ft: Thermal fuse
 F: Overcurrent protection (fuse)
 t*: Thermal disconnection system
 C: Remote signal contact
 MI: Disconnection indicator

Electrical Characteristics			
SPD type	IEC	2	
Network		120 V single-phase	
AC system		TT-TN	
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	
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 _{pe}	None	
Follow current	I _f	None	
Nominal discharge current 15 x 8/20 μs impulses	I _n	15 kA	
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	25 kA	
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max Total}	50 kA	
Connection mode(s)		L/N and N/PE	
Protection level L/N @ I _n (8/20μs)	Up L/N	0.9 kV	
Protection level N/PE @ I _n (8/20μs)	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	I _{scrr}	100 000 A	
Mechanical Characteristics			
Technology		MOV+GDT	
SPD configuration		Single phase	
Connection to Network		By screw terminals: 2.5-25mm ² (35mm ² 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)		MDACF25-150 + MDAC50G-255/F25	
Remote signaling of disconnection		Output on changeover contact	
Wiring for remote signaling		1.5 mm ² 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	
Part number			
821410142			

