



Type 2 AC surge protector - 3-phase+N - Integrated fuses

CITEL

DACF25S-31-440



Type 2 AC surge protector

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



	Electrical Characteristics		
	SPD type	2	
<p>V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system C: Remote signal contact MI: Disconnection indicator</p>	Network	230/400 V 3-phase+N	
	AC system	IT	
	Max. AC operating voltage	U _c	440 Vac
	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand
	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection
	Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
	Residual Current	I _{pe}	None
	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	2 kV	
Protection level N/PE @ I _n (8/20μs)	Up N/PE	2 kV	
Residual voltage L/N at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5 kV	
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5 kV	
Admissible short-circuit current	I _{sc}	100 000 A	
Mechanical Characteristics			
Technology		MOV+GDT	
SPD configuration		3-phase+Neutral	
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)		MDACF25-440 + 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 - 4TE (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			
821410444			

