



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

CITEL

DACF25-20-150



- ▶ Type 2 AC Multipolar surge protector
- ▶ In : 15 kA
- ▶ I_{max} total : 50 kA
- ▶ Internal Fuse
- ▶ Pluggable module for each phase
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



	Electrical Characteristics	
	SPD type	2
	Network	120 V single-phase
	AC system	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
	Residual Current Leakage current to Ground	I _{pe} < 1 mA
	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/PE and N/PE
	Protection level N/PE @ I _n (8/20 μs)	U _p N/PE 0.9 kV
	Protection level L/PE @ I _n (8/20 μs)	U _p L/PE 1.2 kV
	Protection level N/PE at 5 kA @ 5 kA (8/20 μs)	U _p -5kA 0.6 kV
	Residual voltage L/PE at 5 kA @ 5 kA (8/20 μs)	U _p -5kA 0.6 kV
	Admissible short-circuit current	I _{sc} 100 000 A
	Mechanical Characteristics	
	Technology	MOV
	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
	Remote signaling of disconnection	option DACF25S-20-150 : 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)
	Weight	0.205 kg
	Disconnectors	
	Thermal disconnector	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	
	821410112	

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

