



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

CITEL

DACF25-20-440



- ▶ 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	IEC 2
	Network	230 V single-phase
	AC system	IT
<p>V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator</p>	Max. AC operating voltage	U _c 440 Vac
	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 580 Vac withstand
<p>Legend:</p> <ul style="list-style-type: none"> V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator 	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 770 Vac disconnection
	Residual Current Leakage current to Ground	I _{pe} < 1 mA
<p>Legend:</p> <ul style="list-style-type: none"> V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator 	Follow current	I _f None
	Nominal discharge current 15 x 8/20 μs impulses	I _n 15 kA
<p>Legend:</p> <ul style="list-style-type: none"> V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator 	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
<p>Legend:</p> <ul style="list-style-type: none"> V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator 	Connection mode(s)	L/PE and N/PE
	Protection level N/PE @ I _n (8/20μs)	U _p N/PE 2 kV
<p>Legend:</p> <ul style="list-style-type: none"> V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator 	Protection level L/PE @ I _n (8/20μs)	U _p L/PE 2 kV
	Protection level N/PE at 5 kA @ 5 kA (8/20μs)	U _p -5kA 1.5 kV
<p>Legend:</p> <ul style="list-style-type: none"> V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator 	Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	U _p -5kA 1.5 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)	MDACF25-440	
Remote signaling of disconnection	option DACF25S-20-440 : 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	0.221 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		
821410412		

