



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

# CITEL

### DACF25S-20-440



### Type 2 AC surge protector

- In: 15 kA
- I<sub>max</sub>: 25 kA
- Interne Disconnection device
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



	<b>Electrical Characteristics</b>	
	SPD type	2
	Network	230 V single-phase
	AC system	IT
	Max. AC operating voltage	U <sub>c</sub> 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
	Residual Current Leakage current to Ground	I <sub>pe</sub> < 1 mA
	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/PE and N/PE
	Protection level N/PE @ I <sub>n</sub> (8/20 μs)	Up N/PE 2 kV
	Protection level L/PE @ I <sub>n</sub> (8/20 μs)	Up L/PE 2 kV
	Protection level N/PE at 5 kA @ 5 kA (8/20 μs)	Up-5kA 1.5 kV
	Residual voltage L/PE at 5 kA @ 5 kA (8/20 μs)	Up-5kA 1.5 kV
	Admissible short-circuit current	I <sub>sc</sub> 100 000 A
	<b>Mechanical Characteristics</b>	
	Technology	MOV
	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)	MDACF25-440
	Remote signaling of disconnection	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)
	Weight	0.224 kg
	<b>Disconnectors</b>	
	Thermal disconnector	Internal
	Installation ground fault breaker	Type 'S' or delayed
	Back-up protection device	internal (equivalent AC rating : 40 A, gG Type)
	<b>Standards</b>	
	Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
	<b>Part number</b>	
	821410422	

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

