



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

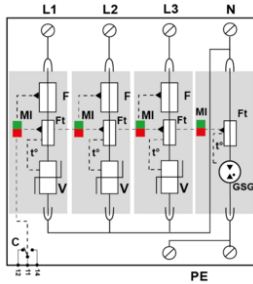
# CITEL

### DACF25S-31-150



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



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		2
Network		120/208 V 3-phase+N
AC system		TT-TNS
Max. AC operating voltage	U <sub>c</sub>	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	I <sub>pe</sub>	None
Leakage current to Ground		
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/N and N/PE
Protection level L/N @ I <sub>n</sub> (8/20μs)	U <sub>p</sub> L/N	0.9 kV
Protection level N/PE @ I <sub>n</sub> (8/20μs)	U <sub>p</sub> N/PE	1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20μs)	U <sub>p-5kA</sub>	0.6 kV
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	U <sub>p-5kA</sub>	0.6 kV
Admissible short-circuit current	I <sub>sc</sub>	100 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 2.5-2.5mm <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)		MDACF25-150 + MDAC50G-255/F25
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 - 4TE (EN43880)
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		821410144

