



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

# CITEL

### DAC50S-31-440



- Type 2 AC surge protector
- In: 20 kA
- I<sub>max</sub>: 50 kA
- Pluggable module for each phase
- Remote signaling
- UL1449 ed.5 certified
- EN 61643-11, IEC 61643-11 compliance



	<b>Electrical Characteristics</b>	
	SPD type	2
	Network	230/400 V 3-phase+N
	AC system	TT-TNS
	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
	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	I <sub>le</sub> None
	Follow current	I <sub>f</sub> None
	Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub> 20 kA
	Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub> 50 kA
	Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total 50 kA
	Protection mode(s)	L/N and N/PE
	Protection level @ I <sub>n</sub> (8/20μs) and @ 6 kV (1,2/50 μs)	U <sub>p</sub> L/N 2 kV
	Protection level N/PE @ I <sub>n</sub> (8/20μs) and @ 6 kV (1,2/50 μs)	U <sub>p</sub> N/PE 1.5 kV
	Admissible short-circuit current	I <sub>sc</sub> 50 000 A
<p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>	<b>Mechanical Characteristics</b>	
	Technology	MOV+GDT
	SPD configuration	3-phase+Neutral
	Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup>
	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)	MDAC50-440+MDACG-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 - 4TE (EN43880)
<b>Disconnectors</b>		
	Thermal disconnector	Internal
	Installation ground fault breaker	Type 'S' or delayed
	Back-up protection device	50 A min. - 125 A max. - Fuses Type gG
<b>Standards</b>		
	Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
	Certification	UL
<b>Part number</b>		
821110444		

