



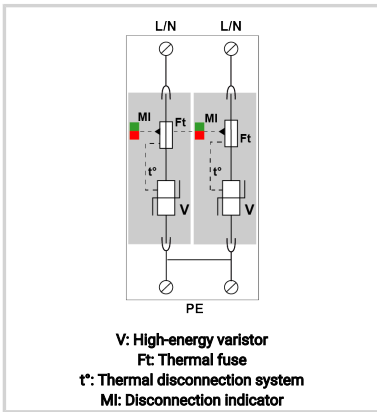
CITEL

Type 2 AC surge protector - Single-phase

DAC50-20-440



- Type 2 AC multipolar surge protector
- In: 20 kA
- Imax: 50 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 certified



Electrical Characteristics

SPD type	IEC	2
Network		230/400 V
AC system		IT
Max. AC operating voltage	Uc	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	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current 15 x 8/20 μ s impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	Imax	50 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	Imax Total	100 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE @ In (8/20 μ s)	Up N/PE	2 kV
Protection level L/PE @ In (8/20 μ s)	Up L/PE	2 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 μ s)	Up-5kA	1.5 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20 μ s)	Up-5kA	1.5 kV
Admissible short-circuit current	Iscrr	50 000 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	Tu	-40/+85°C
Ingress Protection rating		IP20 (NEMA 2)
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole - Red/Green
Spare module(s)		MDAC50-440
Remote signaling of disconnection		option DAC50S-20-440 : output on changeover contact
Dimensions		See diagram - 2TE (EN43880)

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG

Standards

Standards compliance		IEC 61643-11 / EN 61643-11
Certification		OVE

Part number

821110412

