



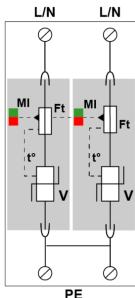
CITEL



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



V: High-energy varistor
Ft: Thermal fuse
t*: Thermal disconnection system
MI: Disconnection Indicator

Electrical Characteristics

SPD type	IEC	2
Network		230 V single-phase
AC system		IT
Max. AC operating voltage	Uc	440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	770 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In	20 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax	50 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 µs</i>	Imax Total	100 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE <i>@ In (8/20µs)</i>	Up N/PE	2 kV
Protection level L/PE <i>@ In (8/20µs)</i>	Up L/PE	2 kV
Protection level N/PE at 5 kA <i>@ 5 kA (8/20µs)</i>	Up-5kA	1.5 kV
Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20µs)</i>	Up-5kA	1.5 kV
Admissible short-circuit current	Isccr	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
Protection rating	IP20
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 / UL

Part number

821110412

