



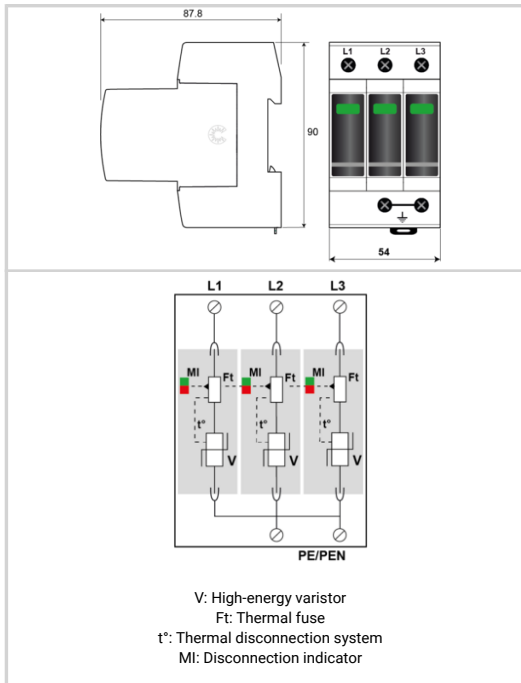
Type 1+2 AC surge protector 3-phase

CITEL

DAC1-13-30-440



- ↳ Type 1 + 2 AC multipolar surge protector
- ↳ In : 20 kA
- ↳ Iimp: 12.5 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling (option)
- ↳ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics	
SPD type	1+2
Network	230/400 V 3-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
Impulse current by pole <i>max. withstand 10/350μs by pole</i>	Iimp 12.5 kA
Total lightning current <i>max. total withstand @ 10/350μs</i>	Itotal 37.5 kA
Specific energy by pole <i>max. withstand 10/350 μs</i>	W/R 40 kJ/ohm
Protection level L/PE <i>@ In (8/20μs)</i>	Up L/PE 1.7 kV
Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20μs)</i>	Up-5kA 1.5 kV
Admissible short-circuit current	Iscrc 50 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	3-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)	MDAC1-13-440
Remote signaling of disconnection	option DAC1-13S-30-440: output on changeover contact
Dimensions	See diagram - 3 TE (EN43880)
Weight	0.504 kg
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	315 A max. - Fuses Type gG / or SFD1-13S
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	
Part number	
821710413	

