



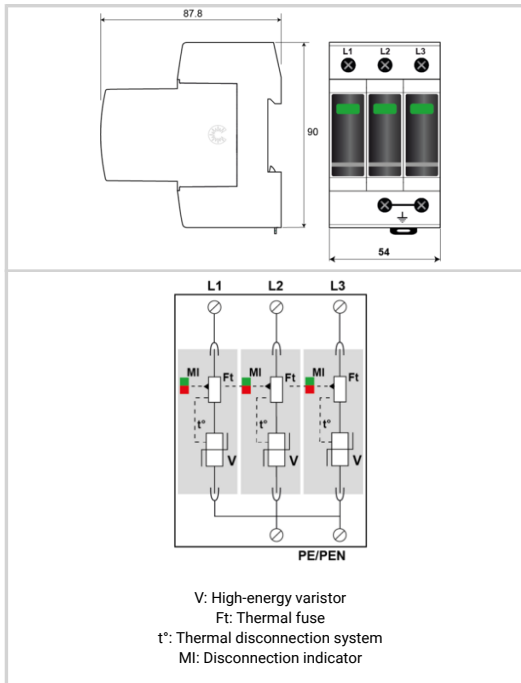
Type 1+2 AC surge protector 3-phase

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>	I _{max}	50 kA
Impulse current by pole <i>max. withstand 10/350μs by pole</i>	I _{imp}	12.5 kA
Total lightning current <i>max. total withstand @ 10/350μs</i>	I _{total}	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	I _{sc}	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		Fuse assembly: SFD1-13S-30 / or 125 A min. - 315 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		
Part number		
821710413		

