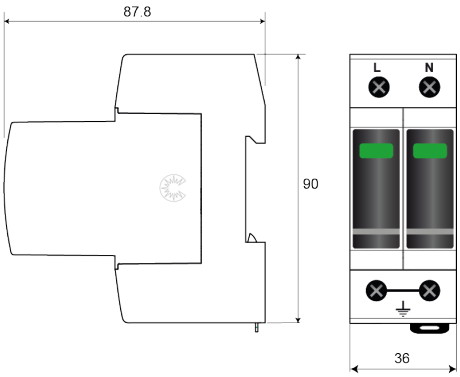


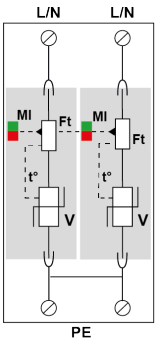
DAC1-13-20-320

- 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 compliance

Electrical Characteristics		
SPD type *following IEC test*		1+2
Network		230 V single-phase
AC system		TN
Max. AC operating voltage L-N	*Uc*	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. *without disconnection*	*UT*	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn *without disconnection or with safety disconnection*	*UT*	440 Vac disconnection
Residual Current *Leakage current to Ground*	*Ipe*	< 1 mA
Follow current	*If*	None
Nominal discharge current *15 x 8/20 µs impulses*	*In*	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	*Imax*	50 kA
Impulse current by pole *max. withstand 10/350µs by pole*	*Iimp*	12.5 kA
Total lightning current *max. total withstand @ 10/350µs*	*Itotal*	25 kA
Withstand on overvoltages IEEE C62.41.1		20 kV
Admissible short-circuit current	*Isccr*	50000 A
Protection level L/PE *@ In (8/20µs)*	*Up L/PE*	1.6 kV
Protection level N/PE *@ In (8/20µs)*	*Up N/PE*	1.6 kV
Specific energy by pole *max. withstand 10/350 µs*	*W/R*	40 kJ/ohm

Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		by screw terminals: 2.5-25 mm²
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe behavior		Disconnection
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		MDAC1-13-320
Remote signaling of disconnection		option : DAC1-13S-20-320: output on changeover contact
Dimensions		See diagram





Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuses Type gG - 125 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		-
Part Number		821710312

V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator