



Type 1+2 AC surge protector single-phase

CITEL

DACN1-13S-20-760



- Type 1 + 2 AC surge protector
- High energy discharge capacity (High duty)
- In: 40 kA, I_{max}: 80kA
- I_{imp}: 12.5 kA on 10/350µs impulse
- Unpluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 complied



	Electrical Characteristics		
	SPD type	1+2	
<p>V: High-energy varistor Ft: Thermal fuse C: Remote signal contact t*: Thermal disconnection system MI: Disconnection indicator</p>	Network	690 V	
	AC system	TN	
	Max. AC operating voltage	U _c	760 Vac
	Max. load current @25°C	I _L	100 A
	Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	1000 Vac withstand
	Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	1325 Vac disconnection
	Residual Current <i>Leakage current to Ground</i>	I _{pe}	None
	Follow current	I _f	None
	Nominal discharge current <i>15 x 8/20 µs impulses</i>	I _n	40 kA
	Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I _{max}	80 kA
	Impulse current by pole <i>max. withstand 10/350µs by pole</i>	I _{imp}	12.5 kA
	Specific energy by pole <i>max. withstand 10/350 µs</i>	W/R	40 kJ/ohm
	Protection level <i>@ I_n (8/20µs)</i>	U _p	3.5 kV
	Residual voltage at 5 kA <i>@ 5 kA (8/20µs)</i>	U _{p-5kA}	2.3 kV
	Admissible short-circuit current	I _{sc}	25 000 A
	Mechanical Characteristics		
Technology		MOV	
SPD configuration		Single phase	
Connection to Network		By screw terminals: 2.5-25mm ² (35mm ² rigid)	
Format		1-pole modular box	
Mounting		Symmetrical rail 35 mm (EN 60715)	
Housing material		Thermoplastic UL94 V-0	
Operating temperature	T _u	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection from AC network	
Disconnection indicator		1 mechanical indicator by pole - Red/Green	
Remote signaling of disconnection		Output on changeover contact	
Wiring for remote signaling		1.5 mm ² max.	
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)	
Dimensions		See diagram - 4TE (EN43880)	
Weight		0.800 kg	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		Fuses Type gG - 125 A	
Standards			
Standards compliance		EN 61643-11 / IEC 61643-11	
Certification		TUV Süd	
Part number			
29112012			

