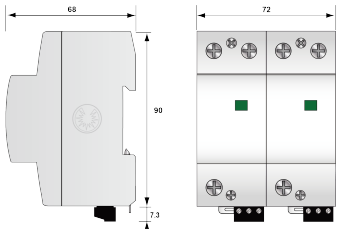
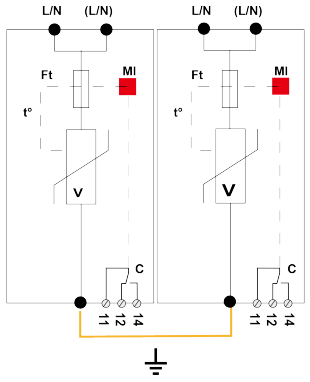
Type 1+2 AC surge protector single-phase

DACN1-13S-20-760

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





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

Electrical Characteristics		
SPD type	IEC	1+2
Network		690 V
AC system		TN
Max. AC operating voltage	Uc	760 Vac
Max. load current @25°C	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. *Without disconnection*	UT	1000 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn *Without disconnection or with safety disconnection*	UT	1325 Vac disconnection
Residual Current *Leakage current to Ground*	Ipe	None
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	40 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	80 kA
Impulse current by pole *max. withstand 10/350µs by pole*	Iimp	12.5 kA
Specific energy by pole *max. withstand 10/350 µs*	W/R	40 kJ/ohm
Protection level *@ In (8/20µs)*	Up	3.5 kV
Residual voltage at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	2.3 kV
Admissible short-circuit current	Isccr	25 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm² (35mm² rigid)
Format		1-pole 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
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² 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		