



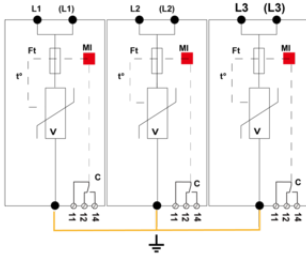
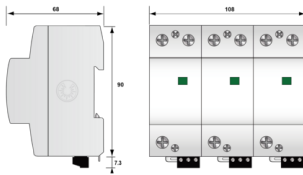
## Type 1+2 AC surge protector - 3-phase

# CITEL

## DACN1-13S-30-760



- ↳ Type 1 + 2 AC surge protector
- ↳ High energy discharge capacity (High duty)
- ↳  $I_n$ : 40 kA,  $I_{max}$ : 80kA
- ↳  $I_{imp}$ : 12.5 kA on 10/350 $\mu$ s 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		1+2
Network		690 V
AC system		TNC-IT
Max. AC operating voltage	$U_c$	760 Vac
Max. load current @25°C	$I_L$	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	$I_{pe}$	None
Follow current	$I_f$	None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	$I_n$	40 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$	80 kA
Impulse current by pole max. withstand 10/350 $\mu$ s by pole	$I_{imp}$	12.5 kA
Specific energy by pole max. withstand 10/350 $\mu$ s	W/R	40 kJ/ohm
Protection level @ $I_n$ (8/20 $\mu$ s)	$U_p$	3.5 kV
Residual voltage at 5 kA @ 5 kA (8/20 $\mu$ s)	$U_{p-5kA}$	2.3 kV
Admissible short-circuit current	$I_{sc}$	25 000 A

### Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> 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 <sup>2</sup> max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 6TE (EN43880)
Weight		1.193 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

29113012

