



Surge Protective Devices: ZOTUPGAP



I 12 N-PE

I 12 N-PE is a voltage switching SPD providing a single mode of protection, typically installed in TT-systems between neutral conductor N and protective earth PE, where connection type CT2 (3+1 or 1+1) is required according to HD 60364-5-534, with the following features and benefits:

- **Impulse test classification: Test class I and II** according to **IEC 61643-11 Ed. 1 (2011-03)** and **Type 1 and 2** according to **EN 61643-11 (2012-10)**;
- I 12 N-PE is a Gas Discharge Tube (GDT) based SPD for protection of low voltage installations and equipment against direct and indirect lightning effects;
- Impulse discharge current of 12,5 kA 10/350 μ s;
- Nominal discharge current of 40 kA 8/20 μ s;
- The special housing is designed for "Pollution Degree 3";
- To be combined with L 3/30 230 ff or L 2/10 230 ff.

Model I 12 N-PE

CODE		207 300
Nominal ac system voltage	U_N	230 V ac
Modes of protection (number of poles)		1 (N-PE)
Max Continuous Operating Voltage	U_c	255 V ac
Test Class according to IEC 61643-11 Ed.1 (2011-03)		I and II
Type according to EN 61643-11 (2012-10)		T1 and T2
Impulse discharge current (10/350 μ s)	I_{imp}	12,5 kA
Charge	Q	6,25 As
Nominal discharge current (8/20 μ s)	I_n	40 kA
Max. discharge current (8/20 μ s)	I_{max}	65 kA
Follow current interrupt rating	I_{fi}	100 A rms
Voltage protection level	U_p	$\leq 1,50$ kV
Response time	t_a	≤ 100 ns
Behaviour in case of Temporary OverVoltage (TOV)	U_T	1200 V / 200 ms, withstand (W)
Operating temperature range / Humidity		-40 ... +80 °C (extended) / 5% ... 95%
Terminal-Conductor size		4-35 mm ² flexible / 4-50 mm ² semi rigid
Busbar connections		fork-type busbar 16 mm ²
Mounting		indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715
Case material / Flammability grade		BMC / V-0 in accordance with UL 94
Pollution degree / Degree of protection	PD / IP	3 / 20 (built-in)
Approximate weight		120 g
Dimensions: width		17,5 mm (1 module)
In bundle with		L 3/30 230 ff and L 2/10 230 ff
Certifications / Quality Mark		CB, STC issued by OVE / KEMA-KEUR
GTIN (EAN)		8054890320849

TECHNICAL DATA

Model I 12 N-PE t with remote signal contact

CODE		217 300
Remote signal contact		potential-free changeover contact
Terminal - conductor size for remote signal contact		max. 1,5 mm ² flexible
Switching capacity remote signal contact		ac: 250 V / 0,5 A – dc: 125 V / 0,2 A; 75 V / 0,5 A
GTIN (EAN)		8054890321594