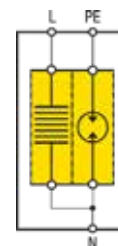
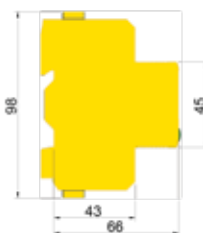
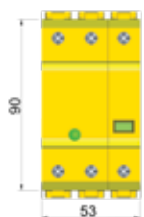


Surge Protective Devices: ZOTUPGAP



IA 25 230 1+1

IA 25 230 1+1 is a ready to install assembly of two voltage switching SPDs providing two modes of protection, typically installed at the origin of the installation, e.g. in the Main Distribution Board (MDB), in single-phase 230 V TT-systems where connection type CT2 (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);
- IA 25 230 1+1 is a self extinguishing spark gap and GDT based switching SPD, for the protection of low voltage installations against direct and indirect lightning effects;
- Impulse discharge current (L-N) of 25 kA 10/350 μ s;
- Impulse discharge current (N-PE) of 52 kA 10/350 μ s;
- High self extinguishing capability of 16 kA rms (follow current interrupt rating L-N);
- **Green LED Status Indicator;**
- The special housing is designed for "Pollution Degree 3".

Model IA 25 ...

230 1+1

CODE		203 121		
Nominal ac system voltage	U_N	230 V ac		
Modes of protection (number of poles)		1+1 (L-N + 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) (L-N)	I_{imp}	25 kA		
Impulse discharge current (10/350 μ s) (N-PE)	I_{imp}	52 kA		
Charge (L-N)	Q	12,5 As		
Charge (N-PE)	Q	26 As		
Nominal discharge current (8/20 μ s) (L-N)	I_n	25 kA		
Nominal discharge current (8/20 μ s) (N-PE)	I_n	52 kA		
Short Circuit Current rating with max. backup protection	I_{sccr}	16 kA rms		
Follow current interrupt rating (L-N)	I_{fi}	16 kA rms		
Follow current interrupt rating (N-PE)	I_{fi}	100 A rms		
Voltage protection level (L-N, N-PE, L-PE)	U_p	$\leq 2,00$ kV	$\leq 1,50$ kV	$\leq 2,00$ kV
Max. overcurrent protection fuse		315 A gG*		
Max. overcurrent protection for through-wiring (V-connection)		125 A gG*		
Rated Load Current (for V-connection)	I_L	125 A		
Behaviour in case of Temporary OverVoltage (TOV):	L-N N-PE	U_T	440 V / 120 min, withstand (W) 1200 V / 200 ms, withstand (W)	
Response time	t_a	≤ 100 ns		
Insulation resistance	R_{ins}	≥ 1 G Ω		
Status Indicator / N-PE (no disconnecter)		Green LED / 2 colour indication (green/red) for N-PE		
Operating temperature range / Humidity		-40 ... +80 °C (extended) / 5% ... 95%		
Terminal-Conductor size (double clamps for V-connection on L-terminal)		4-35 mm ² flexible / 4-50 mm ² semi rigid		
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		395 g		
Dimensions: width		53 mm (3 modules)		
Certifications / Quality Mark		CB, STC issued by OVE / KEMA-KEUR		
Additional Technical Information: for application at locations with a prospective short circuit current higher than the follow current interrupt rating I_{fi}				
Max. prospective short circuit current at the SPD's point of installation		50 kA rms (tested by CTI)		
External backup fuse required		315 A gG		
GTIN (EAN)		8054890320580		

TECHNICAL DATA

* with fuse 125 A gG $I_{imp}= 10$ kA and $I_{max}=40$ kA, with fuse 100 A gG $I_{imp}=9$ kA and $I_{max}= 30$ kA