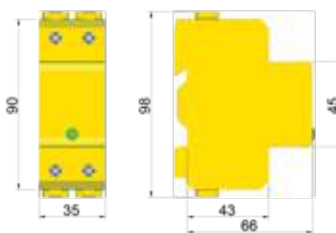




Surge Protective Devices: ZOTUPGAP



IA 25 230

IA 25 230 is a voltage switching SPD with a single mode of protection, typically installed at the origin of the installation, e.g. in the Main Distribution Board (MDB), in TN-systems or in TT-systems in combination with N-PE SPD model I 100, I 52 and with connection type CT2 (3+1 or 1+1), providing 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 is a self extinguishing spark gap based switching SPD, for the protection of low voltage installations against direct and indirect lightning effects;
- Impulse discharge current of 25 kA 10/350 μ s;
- Nominal discharge current of 25 kA 8/20 μ s;
- High self extinguishing capability of 16 kA rms (follow current interrupt rating);
- **Green LED Status Indicator**;
- The special housing is designed for "Pollution Degree 3".

Model IA 25 ...

230

CODE		203 100
Nominal ac system voltage	U_N	230/400 V ac
Modes of protection (number of poles)		1
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}	25 kA
Charge	Q	12,5 As
Nominal discharge current (8/20 μ s)	I_n	25 kA
Short Circuit Current rating with max. backup protection	I_{scpr}	16 kA rms
Follow current interrupt rating	I_{fi}	16 kA rms
Voltage protection level	U_p	$\leq 2,00$ kV
Max. backup protection with 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)	U_T	440 V / 120 min, withstand (W)
Response time	t_a	≤ 100 ns
Insulation resistance	R_{ins}	≥ 1 G Ω
Status Indicator		Green LED
Operating temperature range / Humidity		-40 ... +80 °C (extended) / 5% ... 95%
Terminal-Conductor size (double clamps for V-connection)		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		265 g
Dimensions: width		35 mm (2 modules)
Certifications / Quality Mark		CB, STC issued by OVE / KEMA-KEUR
<u>Additional Technical Information:</u> 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)		8054890320566

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