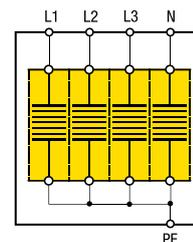
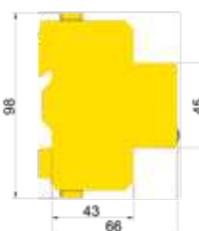
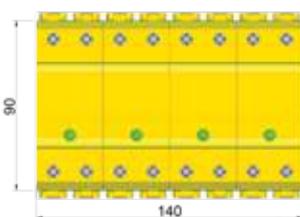
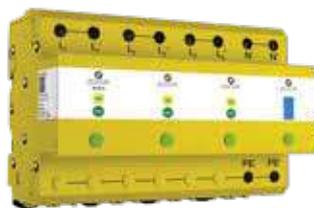


Surge Protective Devices: ZOTUPGAP



IA 25 230 4

IA 25 230 4 is a ready to install assembly of four voltage switching SPDs providing four modes of protection, typically installed at the origin of the installation, e.g. in the Main Distribution Board (MDB), for three-phase plus neutral 230/400 V TN-S systems 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 4 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 4

CODE		203 140
Nominal ac system voltage	U_N	230/400 V ac
Modes of protection (number of poles)		4
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_{scsr}	16 kA rms
Follow current interrupt rating	I_{fi}	16 kA rms
Voltage protection level	U_p	$\leq 2,00$ kV
Max. back-up protection with fuse (L)		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 (L-N)
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
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		1060 g
Dimensions: width		140 mm (8 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)		8054890320597

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