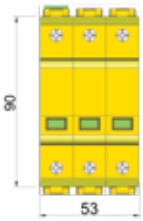

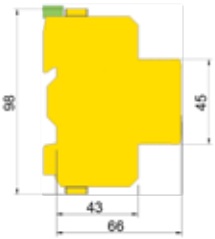

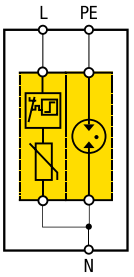

L 25/100 230 t ff 1+1

L 25/100 230 t ff 1+1 is a ready to install assembly of a voltage limiting and a voltage switching SPD providing two modes of protection, typically installed in single-phase 230 V TT-systems where connection type CT2 (1+1) is required according to HD 60364-5-534, e.g. in the Main Distribution Board (MDB), 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)**;
- **Backup protection is not required with an upstream CB ≤ 160 A or up to an Isccr ≤ 5 kA rms;**
- **Three colour Status Indicator with progressive indication of remaining performance.**

Model L 25/100 ... with remote signal contact			230 t ff 1+1	
CODE			**215 121**	
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 (L-N)		U_c	335 V ac	
Max Continuous Operating Voltage (N-PE)		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 µs) (L-N)		I_{imp}	25 kA	
Impulse discharge current (10/350 µs) (N-PE)		I_{imp}	52 kA	
Charge (L-N)		Q	12,5 As	
Charge (N-PE)		Q	26 As	
Nominal discharge current (8/20 µs) (L-N)		I_n	60 kA	
Nominal discharge current (8/20 µs) (N-PE)		I_n	52 kA	
Max. discharge current (8/20 µs) (L-N)		I_{max}	100 kA	
Max. discharge current (8/20 µs) (N-PE)		I_{max}	70 kA	
Voltage protection level (L-N, L-PE) at a discharge current of:	1 kA	U_p	≤ 0,75 kV	≤ 1,50 kV
	5 kA	U_p	≤ 0,85 kV	≤ 1,50 kV
	13 kA	U_p	≤ 1,10 kV	≤ 1,50 kV
	25 kA	U_p	≤ 1,25 kV	≤ 1,50 kV
	60 kA	U_p	≤ 1,70 kV	≤ 1,70 kV
Voltage protection level (N-PE)		U_p	≤ 1,50 kV	
Response time (L-N / N-PE)		t_a	≤ 25 ns / ≤ 100 ns	
End of Life (L-N)			OCFM (Open Circuit Failure Mode)	
Behaviour in case of Temporary Overvoltage (TOV):	L-N	U_T	440 V / 120 min, withstand (W)	
	N-PE	U_T	1200 V / 200 ms, withstand (W)	
Short Circuit Current rating without backup protection (internal disconnector)		I_{sccr}	5 kA rms	
Short Circuit Current rating with max. backup protection fuse		I_{sccr}	50 kA rms	
Max. back-up protection with up-stream CB having a max. let-through energy of (max. prospective short circuit current depends on the CB breaking capability).			160 A (max. 4,50 x 10^5 A^2s)	
Max. back-up protection with FUSE at prospective short circuit currents of			250 A gG (> 5 ÷ 50 kA rms) 160/125/100 A gG* (> 5 ÷ 100 kA rms)	
Max. overcurrent protection for through-wiring (V-connection)			125 A gG	
Rated Load Current (for V-connection)		I_L	125 A	
Follow current interrupt rating (L-N)		I_{fi}	NFC No Follow Current®	
Follow current interrupt rating (N-PE)		I_{fi}	100 A rms	
Status indicator (indication of disconnector operation) / N-PE (no disconnector)			3 colours with progressive performance indication / 2 colours for N-PE	
Operating temperature range / Humidity			-40 … +80 °C (extended) / 5% ... 95%	
Terminal - Conductor size (double clamps for V-connection on L-terminals)			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			435 g	
Dimensions: width			53 mm (3 modules)	
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	
Certifications / Quality Mark			CB, STC issued by OVE / KEMA-KEUR	
GTIN (EAN)			8054890321389	

* with fuse 160 A gG I_{imp}=13 kA and I_{max}= 70 kA; 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