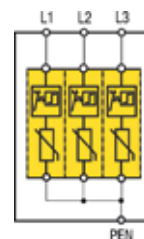
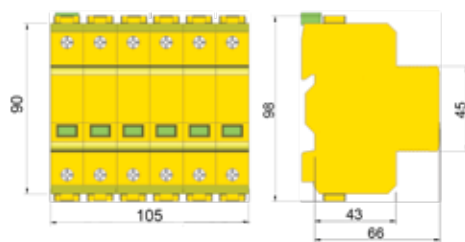


Surge Protective Devices: ZOTUPLIMITER



L 25/100 230 t ff 3

L 25/100 230 t ff 3 is a ready to install assembly of three voltage limiting SPDs providing three modes of protection, typically installed at the origin of the installation, e.g. in the Main Distribution Board (MDB), for three-phase 230/400 V TN-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);**
- L 25/100 230 t ff 3 is a voltage limiting SPD for the protection of low voltage installations and equipment against direct and indirect lightning effects;
- **Backup protection is not required with an upstream CB ≤ 160 A or up to an I_{sc} ≤ 5 kA rms;**
- The impulse current is divided into two independent branch circuits, each branch providing its own disconnector and Status Indicator;
- **Three colour Status Indicator with progressive indication of remaining performance.**

Model L 25/100 ... with remote signal contact

CODE		230 t ff 3	215 130
Nominal ac system voltage	U _N	230/400 V ac	
Modes of protection (number of poles)		3	
Max Continuous Operating Voltage	U _c	335 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)	I _{imp}	25 kA	
Charge	Q	12,5 As	
Nominal discharge current (8/20 μs)	I _n	60 kA	
Max. discharge current (8/20 μs)	I _{max}	100 kA	
Voltage protection level (L-PEN) at a discharge current of:			
1 kA	U _p	≤ 0,75 kV	
5 kA	U _p	≤ 0,85 kV	
13 kA	U _p	≤ 1,10 kV	
25 kA	U _p	≤ 1,25 kV	
60 kA	U _p	≤ 1,70 kV	
Response time	t _a	≤ 25 ns	
End of Life		OCFM (Open Circuit Failure Mode)	
Behaviour of failure mode in case of Temporary OverVoltage (TOV):	L-PEN	U _T	440 V / 120 min, withstand (W)
Short Circuit Current rating <u>without backup protection (internal disconnector)</u>	I _{sc}	5 kA rms	
Short Circuit Current rating with max. backup protection fuse	I _{sc}	50 kA rms	
Max. back-up protection with up-stream CB with 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 ² s)	
Max. back-up protection with FUSE at prospective short circuit currents of		250 A gG (> 5 ÷ 50 kA rms) 160/125/100 A gG* (> 50 ÷ 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	I _n	NFC No Follow Current®	
Status indicator (indication of disconnector operation)		3 colours with progressive performance indication	
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		915 g	
Dimensions: width		105 mm (6 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)		8054890321396	

TECHNICAL DATA

* 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