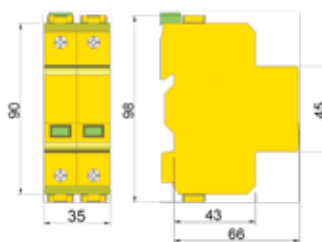




Surge Protective Devices: ZOTUPLIMITER



L 25/100 230 t ff

L 25/100 230 t ff is a voltage limiting SPD providing 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). It provides 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 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 disconnecter 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	215 100
Nominal ac system voltage	U _N		230/400 V ac
Modes of protection (number of poles)			1
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 at a discharge current of:			
1 kA	U _p		≤ 0,70 kV
5 kA	U _p		≤ 0,82 kV
13 kA	U _p		≤ 0,95 kV
25 kA	U _p		≤ 1,05 kV
60 kA	U _p		≤ 1,40 kV
Response time	t _a		≤ 25 ns
End of Life			OCFM (Open Circuit Failure Mode)
Behaviour in case of Temporary Overvoltage (TOV)	U _T		440 V / 120 min, withstand (W)
Short Circuit Current rating <u>without backup protection (internal disconnecter)</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 _{fi}		NFC No Follow Current®
Status indicator (indication of disconnecter 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
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			305 g
Dimensions: width			35 mm (2 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)			8054890321365

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