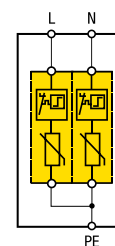
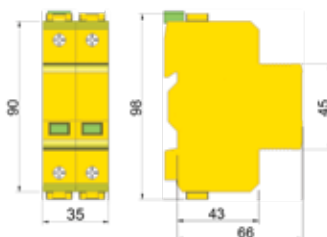


# Surge Protective Devices: ZOTUPLIMITER



# L 2/10 230 ff 2

L 2/10 230 ff 2 is a ready to install assembly of two voltage limiting SPDs providing two modes of protection, typically installed in Sub Distribution Boards (SDBs) for single-phase 230 V TN-systems, with the following features and benefits:

- **Impulse test classification: Test class II** according to IEC 61643-11 Ed. 1 (2011-03) and **Type 2** according to EN 61643-11 (2012-10);
- L 2/10 230 ff 2 is a voltage limiting SPD for the protection of low voltage installations and equipment against indirect lightning effects;
- **Backup protection is not required with an upstream CB ≤ 160 A or up to an Isccr ≤ 5 kA rms;**
- Short circuit current withstand of 50 kA rms with max. back-up fuse;
- **NFC No Follow Current®** technology, there are no follow currents drawn from the power supply system after operation;
- **Three colour Status Indicator with progressive indication of remaining performance.**

Model L 2/10 ...

CODE		230 ff 2
Nominal ac system voltage	$U_N$	230 V ac
Modes of protection (number of poles)		2
Max Continuous Operating Voltage	$U_c$	335 V ac
Test Class according to IEC 61643-11 Ed.1 (2011-03)		II
Type according to EN 61643-11 (2012-10)		T2
Nominal discharge current (8/20 $\mu$ s)	$I_n$	10 kA
Max. discharge current (8/20 $\mu$ s)	$I_{max}$	20 kA
Voltage protection level at a discharge current of:	1 kA	$U_p$ ≤ 0,83 kV
	5 kA	$U_p$ ≤ 1,00 kV
	10 kA	$U_p$ ≤ 1,25 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>	$I_{sccr}$	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 with a max. let-through energy of (max. prospective short circuit current depends on the CB breaking capability)		160 A (max. $4,50 \times 10^5 A^2s$ )
Max. back-up protection with FUSE at prospective short circuit currents of		125 A gG (> 5 ÷ 50 kA rms)
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		4-35 mm <sup>2</sup> flexible / 4-50 mm <sup>2</sup> 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		220 g
Dimensions: width		35 mm (2 modules)
Certifications / Quality Mark		CB, STC issued by OVE / KEMA-KEUR
GTIN (EAN)		8054890320511

TECHNICAL DATA

Model L 2/10 ... with remote signal contact

CODE		230 t ff 2
Remote signal contact		potential-free changeover contact
Terminal - conductor size for remote signal contact		max. 1,5 mm <sup>2</sup> flexible
Switching capacity remote signal contact		ac: 250 V / 0,5 A – dc: 125 V / 0,2 A; 75 V / 0,5 A
GTIN (EAN)		8054890321150