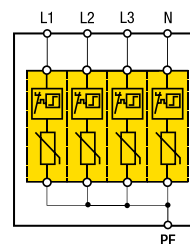
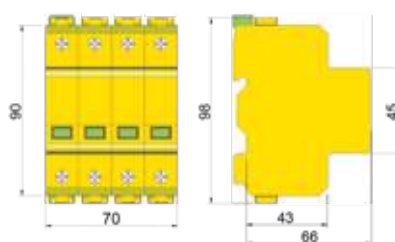




Surge Protective Devices: ZOTUPLIMITER



L 2/10 230 ff 4 TT

L 2/10 230 ff 4 TT is a ready to install assembly of four voltage limiting SPDs providing four modes of protection, typically installed in Sub Distribution Boards (SDBs) for three-phase plus neutral 230/400 V TT-systems downstream a RCD where connection type CT1 is applied according to HD 60364-5-534. This SPD is also suitable for three-phase plus neutral 230/400 V TN-systems, when high resistability against TOVs is required.

It provides 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);
- **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 2/10 ...

230 ff 4 TT

CODE		202 240
Nominal ac system voltage	U_N	230/400 V ac
Modes of protection (number of poles)		4
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 μ s) (the upstream RCD may trip when discharge currents exceed 3 kA 8/20 μ s)	I_n	10 kA
Max. discharge current (8/20 μ s) (the upstream RCD may trip when discharge currents exceed 3 kA 8/20 μ s)	I_{max}	20 kA
Voltage protection level at a discharge current of:	1 kA	$U_p \leq 0,83$ kV
	5 kA	$U_p \leq 1,00$ kV
	10 kA	$U_p \leq 1,25$ kV
Response time	t_a	≤ 25 ns
End of Life		OCFM (open circuit failure mode)
Behaviour in case of Temporary OverVoltage (TOV) withstand (W) / safe (S):	L-PE	U_T 440 V / 120 min, (W); 1.455 V / 200 ms, (S)
	N-PE	U_T 1200 V / 200 ms, (W)
Short Circuit Current rating without backup protection (internal disconnecter)	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 ² s)
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 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		480 g
Dimensions: width		70 mm (4 modules)
Certifications / Quality Mark		CB, STC issued by OVE / KEMA-KEUR
GTIN (EAN)		8054890321730

TECHNICAL DATA

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

230 t ff 4 TT

CODE		212 240
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
GTIN (EAN)		8054890321761