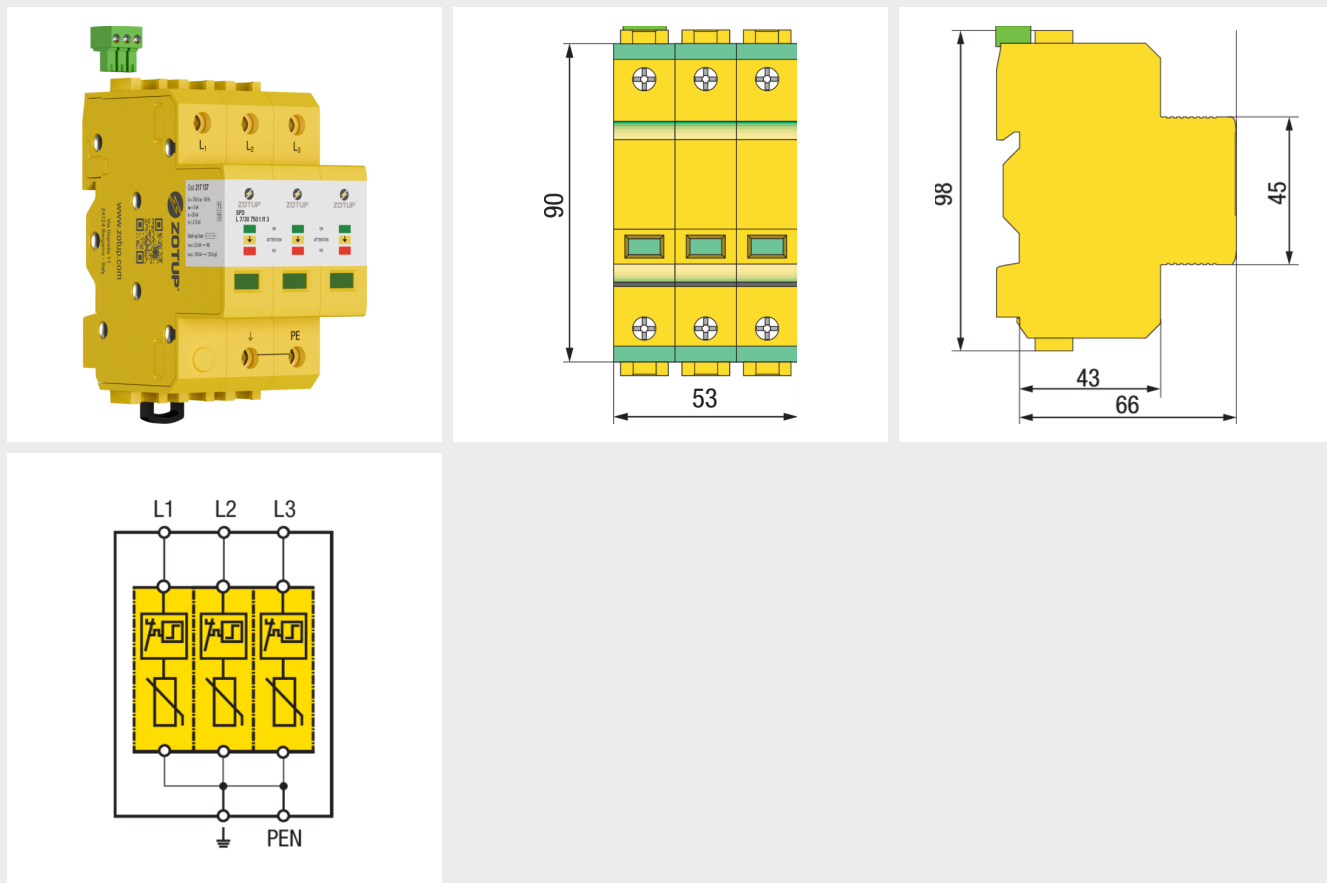


SPDs FOR LOW VOLTAGE ALTERNATING CURRENT (AC) APPLICATION



ZOTUPLIMITER | L 7/30 750 t ff 3



Technical Data

L 7/30 750 t ff 3 is a ready to install assembly of three voltage limiting SPDs providing six modes of protection, typically installed at the origin of the installation, e.g. in the Main Distribution Board (MDB), for three-phase TN systems.

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  $\leq 160$  A or up to an  $I_{scrr} \leq 5$  kA rms (for UN 230/400 V);
- Three colour Status Indicator with progressive indication of remaining performance.



## ZOTUPLIMITER | L 7/30 750 t ff 3

Code		217 137
Nominal voltage	Un	554/960 V ac
Modes of protection		6
Maximum continuous operating voltage	Uc	750 V ac
Test class according to IEC 61643-11 ed. 1 (2011-03)		I e II
Type according to IEC 61643-11 Ed.2 (2025) and EN IEC 61643-11 (2025)		T1 e T2
Impulse discharge current (10/350 µs)	Iimp	5 kA
Charge	Q	2,5 As
Nominal discharge current (8/20 µs)	In	20 kA
Maximum discharge current (8/20 µs)	I <sub>max</sub>	40 kA
Voltage protection level at a discharge current of: 1 kA	Up	≤ 1,90 kV
Voltage protection level at a discharge current of: 5 kA	Up	≤ 2,30 kV
Voltage protection level at a discharge current of: 20 kA	Up	≤ 2,75 kV
Response time	ta	≤ 25 ns
End of life		OCM (open-circuit mode)
Behaviour in case of Temporary Overvoltage (TOV)	Ut	805 V / 5 s (W) 1056 V / 120 min (S)
Short Circuit Current rating without backup protection (internal disconnecter)	I <sub>sc</sub> cr	5 kA eff
Max. back-up protection with FUSE at prospective short circuit currents of		100 kA eff
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 <sup>5</sup> A <sup>2</sup> s)
Max. back-up protection with FUSE at prospective short circuit currents of		125 A gG* (> 2 ÷ 100 kA eff)
Follow current interrupt rating	I <sub>fi</sub>	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 on L-terminals)		4-35 mm <sup>2</sup> flexible / 4-50 mm <sup>2</sup> semi rigid
Busbar connection		fork-type busbar 16 mm <sup>2</sup>
Mounting		indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715
Case material / Flammability grade		BMC / V-0 according to UL 94
Pollution degree / Degree of protection	PD / IP	2 / 20 (built-in)
Approximate weight		582 g
Dimension: width		53 mm (3 modules)
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
Certification / Quality Mark		CB, STC issued by OVE / KEMA-KEUR