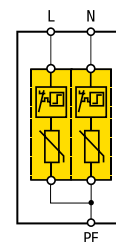
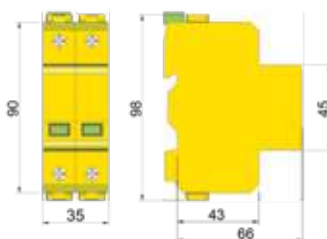


# Surge Protective Devices: ZOTUPLIMITER



# L 7/30 230 ff 2

L 7/30 230 ff 2 is a ready to install assembly of two voltage limiting SPDs providing two modes of protection, typically installed at the origin of the installation, e.g. in the Main Distribution Board (MDB), for single-phase 230 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);
- **Backup protection is not required with an upstream CB ≤ 160 A or up to an I<sub>sc</sub> ≤ 5 kA rms;**
- **Three colour Status Indicator with progressive indication of remaining performance.**

Model L 7/30 ...

230 ff 2

CODE		207 120
Nominal ac system voltage	U <sub>N</sub>	230 V ac
Modes of protection (number of poles)		2
Max Continuous Operating Voltage	U <sub>c</sub>	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 <sub>imp</sub>	8 kA
Charge	Q	4 As
Nominal discharge current (8/20 μs)	I <sub>n</sub>	30 kA
Max. discharge current (8/20 μs)	I <sub>max</sub>	40 kA
Voltage protection level at a discharge current of:		
1 kA	U <sub>p</sub>	≤ 0,81 kV
5 kA	U <sub>p</sub>	≤ 0,98 kV
20 kA	U <sub>p</sub>	≤ 1,35 kV
25 kA	U <sub>p</sub>	≤ 1,45 kV
30 kA	U <sub>p</sub>	≤ 1,60 kV
Response time	t <sub>a</sub>	≤ 25 ns
End of Life		OCFM (Open Circuit Failure Mode)
Behaviour in case of Temporary OverVoltage (TOV)	U <sub>T</sub>	440 V / 120 min, withstand (W)
Short Circuit Current rating <u>without backup protection (internal disconnecter)</u>	I <sub>sc</sub>	5 kA rms
Short Circuit Current rating with max. backup protection fuse	I <sub>sc</sub>	100 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 <sup>5</sup> A <sup>2</sup> s)
Max. back-up protection with FUSE at prospective short circuit currents of		125 A gG (> 5 ÷ 100 kA rms)
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		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		260 g
Dimensions: width		35 mm (2 modules)
Certifications / Quality Mark		CB, STC issued by OVE / KEMA-KEUR
GTIN (EAN)		8054890320771

TECHNICAL DATA

Model L 7/30 ... with remote signal contact

230 t ff 2

CODE		217 120
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)		8054890321532