







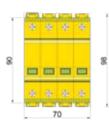
Surge Protective Devices: **ZOTUPLIMITER**

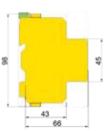


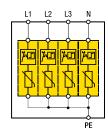
13/40 230 ff 4











L 13/40 230 ff 4 is a ready to install assembly of four voltage limiting SPDs providing four modes of protection, typically installed at the origin of the installation, e.g. in the Main Distribution Board (MDB), for three-phase plus neutral 230/400 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);
- L 13/40 230 ff 4 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 Isccr ≤ 5 kA rms;
- Three colour Status Indicator with progressive indication of remaining performance.

Model L 13/40			230 ff 4
CODE			204 140
Nominal ac system voltage		Un	230/400 V ac
Modes of protection (number of poles)			4
Max Continuous Operating Voltage		Uc	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)		limp	13 kA
Charge		Q	6,5 As
Nominal discharge current (8/20 µs)		In	35 kA
Max. discharge current (8/20 μs)		Imax	70 kA
Voltage protection level at a discharge current of:	1 kA	Up	≤ 0,80 kV
	5 kA	Up	≤ 0,93 kV
	13 kA	Up	≤ 1,15 kV
	20 kA	Up	≤ 1,25 kV
	35 kA	Up	≤ 1,50 kV
Response time		ta	≤ 25 ns
End of Life			OCFM (Open Circuit Failure Mode)
Behaviour in case of Temporary OverVoltage (TOV)		UT	440 V / 120 min, withstand (W)
Short Circuit Current rating without backup protection (internal disconnector)		sccr	5 kA rms
Short Circuit Current rating with max. backup protection fuse		Iscor	100 kA rms
Max. back-up protection with up-stream CB with a max. let-through energy of			160 A (max. 4,50 x 10 ⁵ A ² s)
(max. prospective short circuit current depends on the CB breaking capability)			
Max. back-up protection with FUSE at prospective short circuit currents of			$160/125 \text{ A gG}^* (> 5 \div 100 \text{ kA rms})$
Follow current interrupt rating		lfi	NFC No Follow Current®
Status indicator (indication of disconnector operation)			3 colours with progressive performance indication
Operating temperature range / Humidity			-40 +80 °C (extended) / 5% 95%
Terminal - Conductor size			4-35 mm² flexible / 4-50 mm² 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			560 g
Dimensions: width			70 mm (4 modules)
Certifications / Quality Mark			CB, STC issued by OVE / KEMA-KEUR
GTIN (EAN)			8054890320696

Model L	13/40	with remot	e sianal	contact

Model L 13/40 with remote signal contact	230 t ff 4
CODE	214 140
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 (FAN)	8054890321334