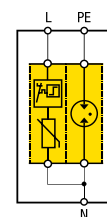
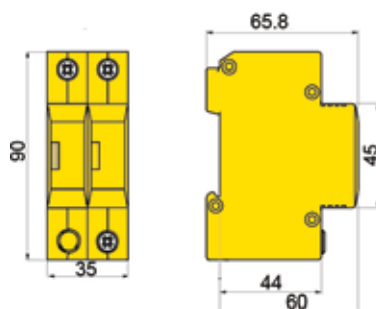




Surge Protective Devices: ZOTUPLIMITER



L 2/20 230 1+1

L 2/20 230 1+1 is a ready to install assembly of a voltage limiting and a voltage switching SPD providing two modes of protection, typically installed in Sub Distribution Boards (SDBs) for single-phase 230 V TT-systems where connection type CT2 (1+1) is required according to HD 60364-5-534, 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);
- 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.

Model L 2/20 ...

CODE		230 1+1		
		200 023		
Nominal ac system voltage	U_N	230 V ac		
Modes of protection (number of poles)		1+1 (L-N + N-PE)		
Max Continuous Operating Voltage (L-N)	U_c	335 V ac		
Max Continuous Operating Voltage (N-PE)	U_c	255 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) (L-N)	I_n	20 kA		
Nominal discharge current (8/20 μ s) (N-PE)	I_n	40 kA		
Max. discharge current (8/20 μ s) (L-N)	I_{max}	40 kA		
Max. discharge current (8/20 μ s) (N-PE)	I_{max}	60 kA		
Voltage protection level (L-N, L-PE) at a discharge current of:	1 kA	U_p	$\leq 1,00$ kV	$\leq 1,60$ kV
	5 kA	U_p	$\leq 1,10$ kV	$\leq 1,60$ kV
	10 kA	U_p	$\leq 1,30$ kV	$\leq 1,60$ kV
	20 kA	U_p	$\leq 1,45$ kV	$\leq 1,60$ kV
Voltage protection level (N-PE)	U_p	$\leq 1,60$ kV		
Response time (L-N / N-PE)	t_a	≤ 25 ns / ≤ 100 ns		
End of Life (L-N)		OCFM (open circuit failure mode)		
Behaviour in case of Temporary OverVoltage (TOV):	L-N	U_T	335 V / 5 s, withstand (W); 440 V / 120 min, safe (S)	
	N-PE	U_T	1200 V / 200 ms, withstand (W)	
Short Circuit Current rating with max. backup protection with fuse	I_{scpr}	50 kA rms		
Max. back-up protection with FUSE		125 A gG		
Follow current interrupt rating (L-N)	I_{fi}	NFC No Follow Current®		
Follow current interrupt rating (N-PE)	I_{fi}	100 A rms		
Status indicator (indication of disconnecter operation)		2 colours: transparent - OK / red - replace		
Operating temperature range / Humidity		-40 ... +70 °C / 5% ... 95%		
Terminal - Conductor size		4-25 mm ² flexible / 4-40 mm ² semi rigid		
Mounting		indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715		
Case material / Flammability grade		Polyamide PA6 / V-0 in accordance with UL 94		
Pollution degree / Degree of protection	PD / IP	2 / 20 (built-in)		
Approximate weight		170 g		
Dimensions: width		35 mm (2 modules)		
Certifications		CB, STC issued by OVE		
GTIN (EAN)		8054890322331		

TECHNICAL DATA

Model L 2/20 ... with remote signal contact

CODE		230 t 1+1	
		210 023	
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)		8054890321266	