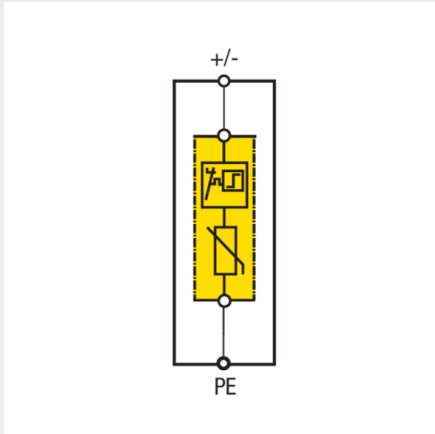
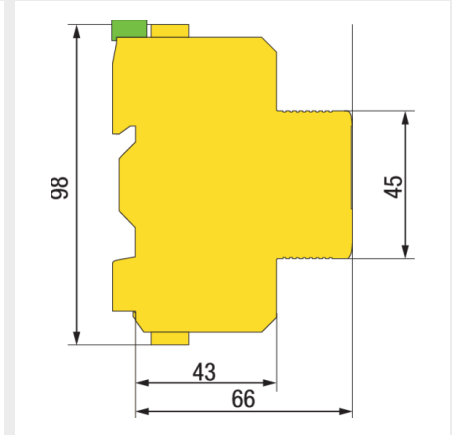
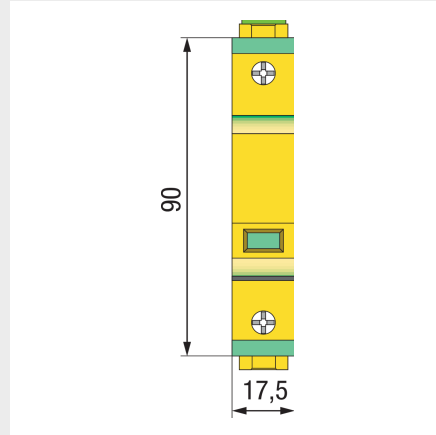


SPD FOR DIRECT CURRENT (DC) APPLICATIONS

ZOTUPLIMITERDC | L 7/30 DC 60 t ff

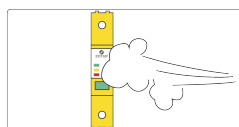
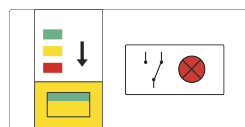
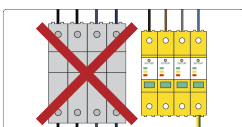


Technical Data

L 7/30 DC 60 t ff is a voltage limiting SPD providing a mode of protection, typically installed in DC Distribution Boards (DB) with the following features and benefits:

Features and benefits

- Impulse test classification for 230, 600 and 1000 V dc: Test Class I and II according to IEC 61643-11(2011-03) and Type 1 and Type 2 according to EN 61643-11 (2012-10);
- Impulse test classification for 60 and 110 V dc: Test Class II and Type 2;
- Backup protection is not required up to a prospective DC short circuit current of 1000 A (for UN up to 230 V);
- Three colour Status Indicator with progressive indication of remaining performance;
- Pollution Degree 3 up to Un 230 V dc.



ZOTUPLIMITERDC | L 7/30 DC 60 t ff

Code		210 602
Nominal voltage	Un	60 V dc
Modes of protection		1
Maximum continuous operating voltage	Uc	100 V dc
Test class according to IEC 61643-11 ed. 1 (2011-03)		II
Type according to IEC 61643-11 Ed.2 (2025) and EN IEC 61643-11 (2025)		T2
Nominal discharge current (8/20 µs)	In	20 kA
Maximum discharge current (8/20 µs)	I _{max}	30 kA
Voltage protection level at a discharge current of: 1 kA	Up	≤ 0,22 kV
Voltage protection level at a discharge current of: 5 kA	Up	≤ 0,28 kV
Voltage protection level at a discharge current of: 10 kA	Up	≤ 0,36 kV
Voltage protection level at a discharge current of: 20 kA	Up	≤ 0,50 kV
Response time	t _a	≤ 25 ns
End of life		OCM (open-circuit mode)
Short Circuit Current rating without backup protection (internal disconnecter)	I _{sc}	1000 A
Max. back-up protection with FUSE at prospective short circuit currents of		30 kA
Max. back-up protection with fuse (DC)		100 A gPV
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 (double clamps for V-connection on L-terminals)		4-35 mm ² flexible / 4-50 mm ² semi rigid
Terminal-Conductor size		16 mm ² flexible
Busbar connection		fork-type busbar 16 mm ²
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	3
Degree of protection	IP	20 (built-in)
Approximate weight		130 g
Dimension: width		17,5 mm (1 module)
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
Certification / Quality Mark		CTI test report