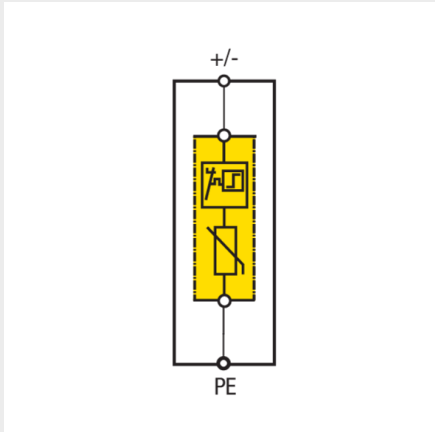
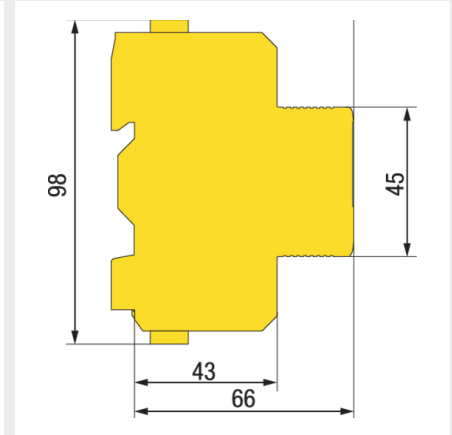
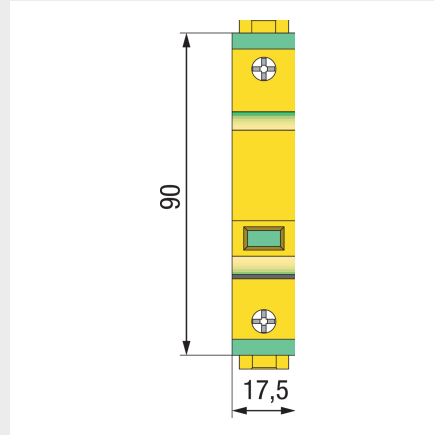


SPD FOR DIRECT CURRENT (DC) APPLICATIONS ZOTUPLIMITERDC | L 7/30 DC 1000 ff

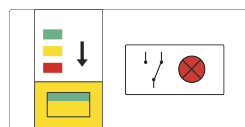
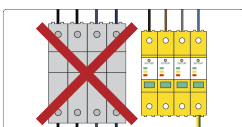


Technical Data

L 7/30 DC 1000 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 1000 ff

Code		200 610
Nominal voltage	Un	1000 V dc
Modes of protection		1
Maximum continuous operating voltage	Uc	1000 V dc
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	2,9 As
Nominal discharge current (8/20 µs)	In	20 kA
Maximum discharge current (8/20 µs)	I _{max}	40 kA
Voltage protection level at a discharge current of: 1 kA	Up	≤ 1,85 kV
Voltage protection level at a discharge current of: 5 kA	Up	≤ 2,25 kV
Voltage protection level at a discharge current of: 10 kA	Up	≤ 2,60 kV
Voltage protection level at a discharge current of: 20 kA	Up	≤ 2,85 kV
Response time	ta	≤ 25 ns
End of life		OCM (open-circuit mode)
Short Circuit Current rating without backup protection (internal disconnecter)	I _{sc}	200 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	2
Degree of protection	IP	20 (built-in)
Approximate weight		200 g
Dimension: width		17,5 mm (1 module)