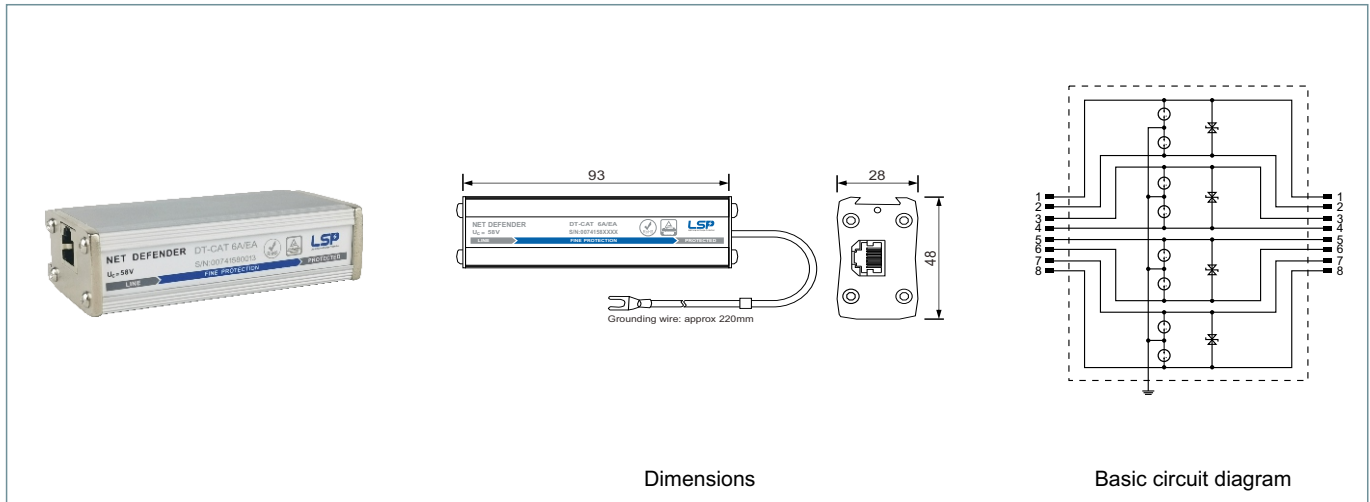


**DT-CAT 6A/EA**

The "PoE Surge Protector" permits the use of Power over Ethernet with nominal currents of up to 1 A. It can be snapped directly onto the hat rail and uses it to create the necessary equipotential bonding. Alternatively, terminal protection using a separately connectable

- Support for Power over Ethernet + up to 1 A (PoE+ according to IEEE 802.3at)
- CAT 6A in the channel according to ANSI/TIA/EIA-568
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_5-2$  and higher



Type	DT-CAT 6A/EA	
SPD according to EN 61643-21 / IEC 61643-21	type 2 / class II	
Max. continuous operating a.c. voltage	$U_c$	41 V
Max. continuous operating d.c. voltage	$U_c$	58 V
Max. continuous operating d.c. voltage pair-pair (PoE)	$U_c$	57 V
Rated current	$I_L$	1 A
Nominal discharge current C1 (Line-Line)	500 V / 250 A	
Nominal discharge current C2 (Total)	7 kA	
Nominal discharge current C2 (Line-PE)	5 kV / 2.5 kA	
Nominal discharge current C3 (Line-PE)	1000 V / 10 A	
Nominal discharge current D1 (Line-PE)	1000 V / 500 A	
Protection level Up C1 (Line-Line)	500 V	
Protection level Up C2 (Line-Earth)	600 V	
Protection level Up C3 (Line-Earth)	600 V	
Insertion loss at 250 MHz	< 2 dB	
Capacitance line-line	C	< 165 pF
Capacitance line-PG	C	< 255 pF
Range of operating temperatures	$T_U$	-40 / +70°C
Degree of protection	IP 20	
Connection (input / output)	RJ45 / RJ45	
Pinning	1/2, 3/6, 4/5, 7/8	
Enclosure material	Aluminum housing	
Earthing via	Connecting line	
Transmission class according to ISO/IEC 11801	Cat. 6	
Transmission class according to EN 50173-1	Class EA	
Transmission class according to ANSI/TIA/EIA-568	Cat. 6A in the channel	
Approvals	TVU, CB, RoHS	
Mounting	35 mm DIN Rail, EN 60715	