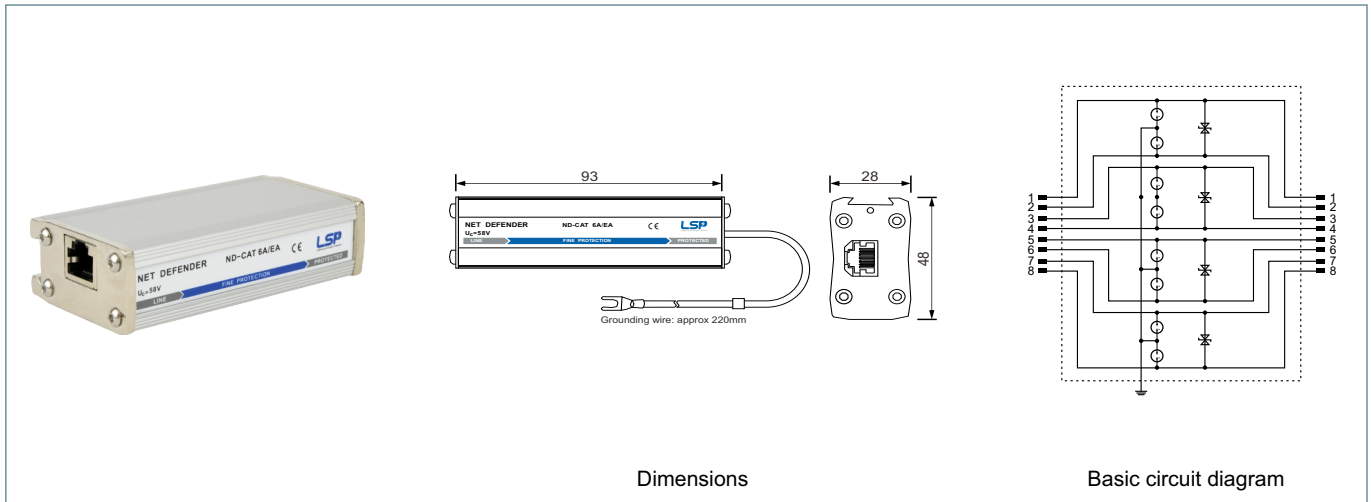


## ND-CAT 6A/EA

The "Net Defender" 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  $0_B-2$  and higher



Type	ND-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
D1 Lightning impulse current (10/350 $\mu$ s) per line	$I_{imp}$	1 kA
C2 Nominal discharge current (8/20 $\mu$ s) line-line	$I_n$	150 A
C2 Nominal discharge current (8/20 $\mu$ s) line-PG	$I_n$	2.5 kA
C2 Total nominal discharge current (8/20 $\mu$ s) line-PG	$I_n$	10 kA
C2 Nominal discharge current (8/20 $\mu$ s) pair-pair (PoE)	$I_n$	150 A
Voltage protection level line-line for $I_n$ C2	$U_p$	< 190 V
Voltage protection level line-PG for $I_n$ C2	$U_p$	< 600 V
Voltage protection level pair-pair for $I_n$ C2 (PoE)	$U_p$	< 600 V
Voltage protection level line-line at 1 kV/ $\mu$ s C3	$U_p$	< 145 V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3	$U_p$	< 500 V
Voltage protection level pair-pair at 1 kV/ $\mu$ s C3 (PoE)	$U_p$	< 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/+80°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