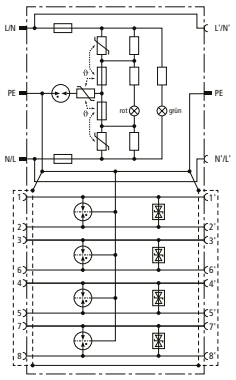
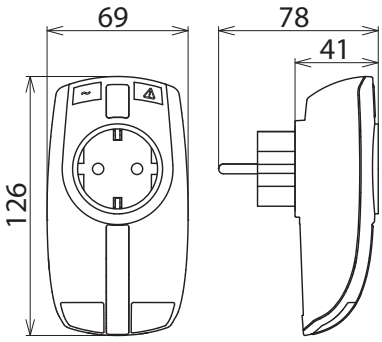
DPRO 230 LAN100 (909 321)

- Surge protective device for Ethernet components (1000 BASE-T) with an elegant design
- For installation in conformity with the lightning protection zone concept at the boundaries from 2 – 3 and higher





Basic circuit diagram



Dimension drawing

Combined surge protection for the power side and the data input for the protection of LAN components. Protective circuit for all wire pairs for Ethernet pin assignment.
Meets the requirements for channel class D in accordance with EN 50173 and is thus suitable for 1000 Base-T (Gigabit Ethernet).
With visual operating state and fault indication and an integrated child lock.

Type	**DPRO 230 LAN100**
Part No.	**909 321**
Protection for the data side	
SPD class	TYPE 2 P1
Max. continuous operating voltage DC (U_C)	3.3 V
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	0.5 kA
C2 Nominal discharge current (8/20 µs) line-line (I_n)	150 A
C2 Nominal discharge current (8/20 µs) line-PE (I_n)	2.5 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
Voltage protection level line-line for I_n C2 (U_P)	≤ 30 V
Voltage protection level line-PE for I_n C2 (U_P)	≤ 550 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	30 V
Voltage protection level line-PE at 1 kV/µs C3 (U_P)	≤ 550 V
Cut-off frequency (f_G)	180 MHz
Operating temperature range (T_U)	-25 °C ... +40 °C
Degree of protection	IP 20
Connection (input / output)	shielded RJ45 socket / shielded RJ45 socket
Pinning	1/2, 3/6, 4/5, 7/8
Earthing via	protective conductor connection
Enclosure material	thermoplastic, UL 94 V-2
Colour	pure white
Test standards	IEC 61643-21 / EN 61643-21
Protection for the power side	
SPD according to EN 61643-11 / IEC 61643-11	type 3 / class III
Nominal voltage (a.c.) (U_N)	230 V (50 / 60 Hz)
Max. continuous operating voltage (AC) (U_C)	255 V (50 / 60 Hz)
Nominal load current (a.c.) (I_L)	16 A
Nominal discharge current (8/20 µs) (I_n)	3 kA
Total discharge current (8/20 µs) [L+N-PE] (I_{total})	5 kA
Combination wave (U_{OC})	6 kV
Combination wave [L+N-PE] ($U_{OC\ total}$)	10 kV
Voltage protection level [L-N] (U_P)	≤ 1.25 kV
Voltage protection level [L/N-PE] (U_P)	≤ 1.5 kV
Response time [L-N] (t_A)	≤ 25 ns
Response time [L/N-PE] (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	B 16 A
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	1 kA_{rms}

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Protection for the power side	
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	335 V / 5 sec. – Festigkeit 440 V / 120 min. – sicherer Ausfall
Temporary overvoltage (TOV) [L/N-PE] (U_T) – Characteristic	335 V / 120 min. – Festigkeit 440 V / 5 sec. – Festigkeit
Temporary overvoltage (TOV) [L+N-PE] (U_T) – Characteristic	1200 V + U_{REF} / 200 ms – safe failure
Fault indication	red indicator light
Operating state indication	green indicator light
Number of ports	1
Mounting	earthed socket outlets DIN 49440 / DIN 49441
Test standards	EN 61643-11

Masterdata	
Net weight	215.6 g/pc(s)
GTIN	4013364126152
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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