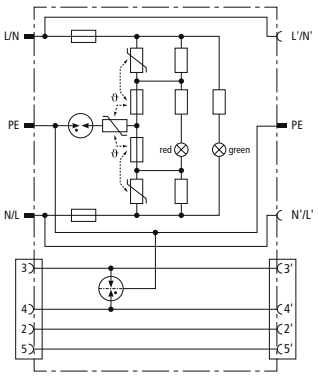
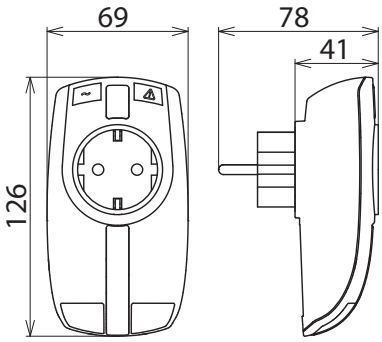
DPRO 230 NT (909 310)

- Surge protective device for terminal equipment in telecommunications systems with a modern design
- Includes accessories for RJ 11/12 and TAE connections
- 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 and data side of a digital network termination (NT) (IP telephony), especially telecommunication interfaces up to VVDSL and G.fast (up 1 Gbit/s). With visual operating state and fault indication and an integrated child lock on the power side.

Type	**DPRO 230 NT**
Part No.	**909 310**
Protection for the data side	
SPD class	TYPE 2 P1
Max. continuous operating voltage DC (U_C)	180 V
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	1 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	2.5 kA
Voltage protection level line-line for I_n C2 (U_P)	≤ 500 V
Voltage protection level line-PE for I_n C2 (U_P)	≤ 500 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 500 V
Voltage protection level line-PE at 1 kV/µs C3 (U_P)	≤ 500 V
Cut-off frequency (f_G)	220 MHz
Operating temperature range (T_U)	-25 °C ... +40 °C
Degree of protection	IP 20
Connection (input / output)	RJ12 socket / RJ12 socket
Pinning	3/4
Earthing via	protective conductor connection
Enclosure material	Thermoplastic, UL 94 V-2
Colour	Pure white
Test standards	IEC 61643-21 / EN 61643-21
Test standards (data side)	IEC 61643-21
Protection for the power side	
SPD according to EN 61643-11 / IEC 61643-11	type 3 / class III
SPD according to EN 61643-11	type 3
SPD according to IEC 61643-1	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)	≤ 1.35 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}

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	212 g/pc(s)
GTIN	4013364117747
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.

© DEHN, Inc. • 500 S Main Street, Suite 115 • Mooresville, NC 28115 • United States • Tel. +1 877-927-6510 • contactDEHN@dehn.us • www.dehn.us

: 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