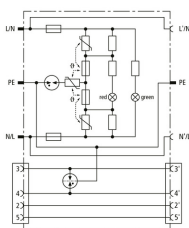


## DPRO 230 NT (909 310)

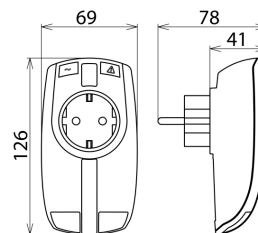
- Surge protective device for terminal equipment in telecommunications systems with a modern design
- Includes accessories for RJ 11/12 and TAE connections
- For installation in conformity with the lightning protection zone concept at the boundaries from 2 – 3 and higher



Figure without obligation



Basic circuit diagram DPRO 230 NT



Dimension drawing DPRO 230 NT

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 to 1 Gbit/s). With visual operating state and fault indication and an integrated child lock on the power side.

### Protection of the data side

Type	DPRO 230 NT
Part No.	909 310
SPD class	<b>TYPE 2</b>
Max. continuous operating voltage (d.c.) ( $U_c$ )	180 V
Lightning impulse current (10/350 $\mu$ s) per line D1 ( $I_{imp}$ )	1 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	2.5 kA
Voltage protection level line-line for $I_n$ C2 ( $U_p$ )	$\leq 500$ V
Voltage protection level line-PE for $I_n$ C2 ( $U_p$ )	$\leq 500$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 500$ V
Voltage protection level line-PE at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 500$ V
Cut-off frequency ( $f_c$ )	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

Protection of the power side	
Type	DPRO 230 NT
Part No.	909 310
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 (a.c.) ( $U_C$ )	255 V (50 / 60 Hz)
Nominal load current (a.c.) ( $I_L$ )	16 A
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	3 kA
Total discharge current (8/20 $\mu$ s) [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] ( $U_p$ )	$\leq 1.35$ kV
Voltage protection level [L/N-PE] ( $U_p$ )	$\leq 1.5$ kV
Response time [L-N] ( $t_A$ )	$\leq 25$ ns
Response time [L/N-PE] ( $t_A$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	B 16 A
Short-circuit withstand capability for mains-side overcurrent protection ( $I_{SCCR}$ )	1 kA <sub>rms</sub>
Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic	440 V / 120 min. – safe failure
Temporary overvoltage (TOV) [L/N-PE] ( $U_T$ ) – Characteristic	335 V / 120 min. – withstand
Temporary overvoltage (TOV) [L/N-PE] ( $U_T$ ) – Characteristic	440 V / 5 sec. – withstand
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
For mounting on	earthed socket outlets DIN 49440 / DIN 49441
Test standards	EN 61643-11
Weight	212 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364117747
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.