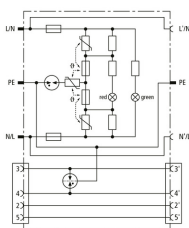


DPRO 230 NT (909 310)

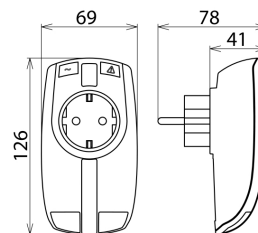
- Surge protective device for terminal equipment in telecommunications systems with a modern design
- Includes accessories for RJ 11/12 and TAE connections
- For installation in conformity with the lightning protection zone concept at the boundaries from 2 – 3 and higher



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	TYPE 2 Pt
Max. continuous operating voltage (d.c.) (U_c)	180 V
Lightning impulse current (10/350 μ s) per line D1 (I_{imp})	1 kA
C2 Nominal discharge current (8/20 μ s) 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/ μ s C3 (U_p)	≤ 500 V
Voltage protection level line-PE at 1 kV/ μ s C3 (U_p)	≤ 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 μ s) (I_n)	3 kA
Total discharge current (8/20 μ 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)	≤ 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 mains-side overcurrent protection (I_{SCCR})	1 kA _{rms}
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.