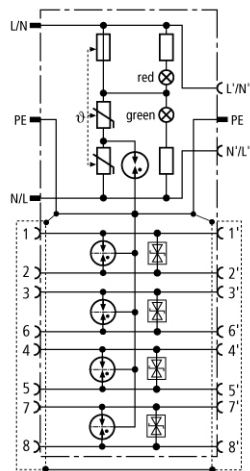


Dimension drawing DPRO LAN 100



Data side: Low-capacitance protective circuit of all pairs for Ethernet pin assignment.



With visual operating state and fault indication for the power side

Combined surge protection for the power side and the data input for the protection of LAN components.

Meets the requirements for Channel Class D in accordance with EN 50173 and is thus suitable for 1000Base-T (Gigabit Ethernet).

Shielded Cat 5e patch cable (1.5 m) included

For use according to the lightning protection zones concept at boundaries 2 - 3 and higher

With earthed pin

DPRO 230 SE LAN100

SPD class	TYPE 2 P1
Max. continuous operating d.c. voltage [U <sub>C1</sub> ]	58 V
C2 Nominal discharge current (8/20 μs) line-line [I <sub>n1</sub> ]	30 A
C2 Nominal discharge current (8/20 μs) line-PE [I <sub>n1</sub> ]	2.5 kA
C2 Total nominal discharge current (8/20 μs) [I <sub>n1</sub> ]	10 kA
Voltage protection level line-line for I <sub>n</sub> C2 [U <sub>p1</sub> ]	≤ 100 V
Voltage protection level line-PE for I <sub>n</sub> C2 [U <sub>p1</sub> ]	≤ 500 V
Voltage protection level line-line for 1 kV/μs C3 [U <sub>p1</sub> ]	90 V
Voltage protection level line-PE for 1 kV/μs C3 [U <sub>p1</sub> ]	≤ 500 V
Operating temperature range	-20°C...+40°C
Degree of protection	IP 20
Connection type input / output	RJ45 shielded socket / RJ45 shielded 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
Protection for the power side	DPRO 230 LAN100
SPD according to EN 61643-11	Type 3
SPD according to IEC 61643-1	Class III
Nominal a.c. voltage [U <sub>N1</sub> ]	230 V
Max. continuous operating a.c. voltage [U <sub>C1</sub> ]	255 V
Nominal load current [I <sub>L1</sub> ]	16 A
Nominal discharge current (8/20 μs) L-N [I <sub>n1</sub> ]	3 kA
Nominal discharge current (8/20 μs) L/N-PE [I <sub>n1</sub> ]	5 kA [(L+N)-PE]
Combined impulse (1.2/50 μs - 8/20 μs) L-N [U <sub>oc1</sub> ]	6 kV
Combined impulse (1.2/50 μs - 8/20 μs) L/N-PE [U <sub>oc1</sub> ]	10 kV [(L+N)-PE]
Voltage protection level L-N [U <sub>p1</sub> ]	≤ 1.25 kV
Voltage protection level L/N-PE [U <sub>p1</sub> ]	≤ 1.5 kV
Response time L-N [t <sub>A1</sub> ]	≤ 25 ns
Response time L/N-PE [t <sub>A1</sub> ]	≤ 100 ns
Max. supply-side overcurrent protection	16 A gL/gG or B 16 A

<b>Short-circuit withstand capability for max. supply-side overcurrent protection</b>	6 kA <sub>rms</sub> a.c.
<b>Temporary overvoltage (TOV) L-N [U<sub>T1</sub></b>	335 V/5 sec
<b>Temporary overvoltage (TOV) L/N-PE (1) [U<sub>T1</sub></b>	400 V/5 sec
<b>Temporary overvoltage (TOV) L/N-PE (2) [U<sub>T1</sub></b>	1200 V+U <sub>0</sub> /200 m
<b>Indication of the disconnecter</b>	red light
<b>Operating state indication</b>	green light
<b>For mounting on</b>	plug-in system with earth contact DIN 49440/DIN 49441
<b>Test standards</b>	IEC 61643-11

#### Ordering information

<b>Type</b>	DPRO 230 SE LAN100
<b>Part No.</b>	<b>909 326</b>
<b>Packing unit</b>	1 pc

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.