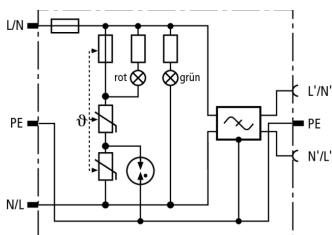


## DPRO 230 F (909 240)

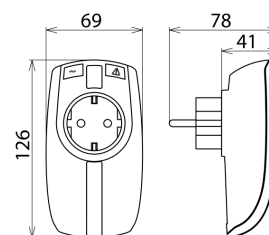
- Surge protection with monitoring device and disconnecter
- Visual operating state (green) and fault indication (red)
- Enhanced safety due to fault-proof Y protective circuit



Figure without obligation



Basic circuit diagram DPRO 230 F



Dimension drawing DPRO 230 F

Surge protective adapter with integrated mains filter and child lock.

Type	DPRO 230 F
Part No.	909 240
SPD according to EN 61643-11 / IEC 61643-11	type 3 / class III
Nominal a.c. voltage ( $U_N$ )	230 V (50 / 60 Hz)
Max. continuous operating a.c. voltage ( $U_C$ )	255 V (50 / 60 Hz)
Nominal load current a.c. ( $I_L$ )	10 A
Voltage drop in percent [ $L'/N'-N'/L'$ / $L/N-N/L$ ] for $U_C/I_L$ ( $\Delta U$ )	$\leq 0.3$ %
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 [ $L-N$ ] ( $U_P$ )	$\leq 1.25$ 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 max. 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 light
Operating state indication	green light
Number of ports	2
Operating temperature range ( $T_U$ )	-25 °C ... +40 °C
For mounting on	earthed socket outlets according to DIN 49440/DIN 49441
Enclosure material	thermoplastic, pure white, UL 94 V-2
Place of installation	indoor installation
Degree of protection	IP 20
Dimensions	126 x 69 x 41 mm
Mains filter	acc. to EN 60939-1 (DIN VDE 0565-3)
Attenuation for $f = 1$ MHz, balanced	$\geq 40$ dB
Attenuation for $f = 1$ MHz, unbalanced	$\geq 30$ dB
Weight	194 g
Customs tariff number	85363010
GTIN	4013364117693
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.