

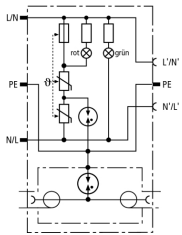


DPRO 230 TV (909 300)

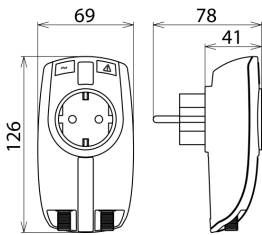
- Surge protective device for TV, radio or SAT applications with a modern design
- F socket to IEC plug adapter included
- For installation in conformity with the lightning protection zone concept at the boundaries from 2 – 3 and higher



Figure without obligation



Basic circuit diagram DPRO 230 TV



Dimension drawing DPRO 230 TV

Surge protective device for the power and antenna side of TV, radio or SAT receivers. With visual operating state and fault indication.

Protection of the data side

| Type                                                                      | DPRO 230 TV                     |
|---------------------------------------------------------------------------|---------------------------------|
| Part No.                                                                  | 909 300                         |
| SPD class                                                                 | TYPE2                           |
| Max. continuous operating d.c. voltage (U <sub>c</sub> )                  | 60 V                            |
| C2 Nominal discharge current (8/20 μs) line-shield (PE) (I <sub>n</sub> ) | 5 kA                            |
| Voltage protection level line-shield (PE) at 1 kV/μs C3 (U <sub>p</sub> ) | ≤ 600 V                         |
| Insertion loss 0-2400 MHz                                                 | ≤ 1.5 dB                        |
| Operating temperature range (T <sub>U</sub> )                             | -25 °C ... +40 °C               |
| Degree of protection                                                      | IP 20                           |
| Connection (input / output)                                               | F socket / F socket             |
| 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<br>Part No.                                                                        | DPRO 230 TV<br>909 300                     |
|-----------------------------------------------------------------------------------------|--------------------------------------------|
| 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. ( $I_L$ )                                                     | 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] ( $U_p$ )                                                | $\leq 1.25$ 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 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                                                                                  | 234 g                                      |
| Customs tariff number                                                                   | 85363010                                   |
| GTIN                                                                                    | 4013364117723                              |
| 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.