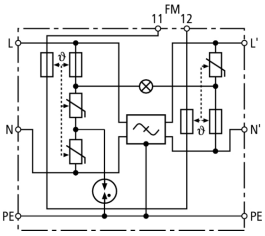
SPS PRO (912 253)

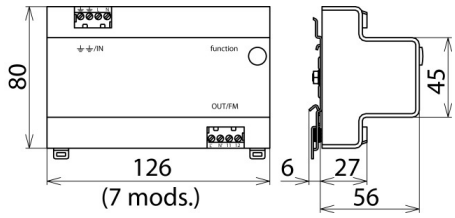
- Combination of surge protection and filter
- Surge protection with monitoring device and disconnector
- Interference suppressor filter for protecting sensitive industrial electronics equipment against balanced and unbalanced high-frequency interference



Figure without obligation



Basic circuit diagram SPS PRO



Dimension drawing SPS PRO

Surge arrester with interference suppressor filter.

Type Part No.	SPS PRO 912 253
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)	3 A
Voltage drop in percent [L'-N'/L-N] for U_C/I_L (ΔU)	≤ 1.6 %
Nominal discharge current (8/20 µs) (I_n)	3 kA
Combination wave (U_{OC})	6 kV
Total discharge current (8/20 µs) [L+N-PE] (I_{total})	5 kA
Voltage protection level [L-N] / [L/N-PE] (U_P)	≤ 800 / ≤ 1000 V
Combination wave [L+N-PE] ($U_{OC\ total}$)	10 kV
Response time [L-N] (t_A)	≤ 25 ns
Response time [L/N-PE] (t_A)	≤ 100 ns
Short-circuit withstand capability for max. 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
Operating state indication	green light
Fault indication	green light off
Number of ports	2
Operating temperature range (T_U)	-10 °C ... +40 °C
Cross-sectional area (min.)	0.14 mm^2 solid / stranded / flexible
Cross-sectional area (max.)	2.5 mm^2 solid / stranded / flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	aluminium, red powder coating
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	7 modules, DIN 43880
Type of remote signalling contact	break contact
Switching capacity (a.c.)	250 V / 0.5 A
Switching capacity (d.c.)	250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A
Cross-sectional area for remote signalling terminals	max. 1.5 mm^2 solid / flexible
Mains filter	acc. to DIN VDE 0565-3
Attenuation for f = 1 MHz, balanced	≥ 73 dB
Attenuation for f = 1 MHz, unbalanced	≥ 45 dB
Weight	563 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364068360
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.