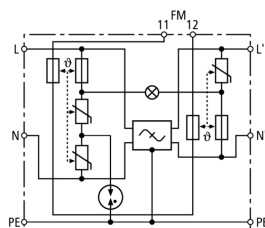


## SPS PRO (912 253)

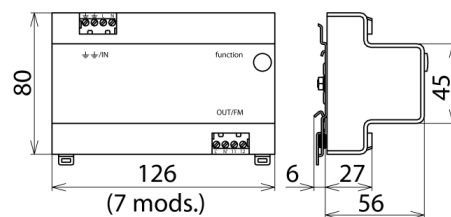
- Combination of surge protection and filter
- Surge protection with monitoring device and disconnecter
- Interference suppressor filter for protecting sensitive industrial electronics equipment against balanced and unbalanced high-frequency interference



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	Type 3
SPD according to 61643-1/-11	Class III
Nominal a.c. voltage ( $U_N$ )	230 V
Max. continuous operating a.c. voltage ( $U_C$ )	255 V
Nominal load current a.c. ( $I_L$ )	3 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
Combined impulse ( $U_{OC}$ )	6 kV
Combined impulse [L+N-PE] ( $U_{OC total}$ )	10 kV
Voltage protection level [L-N] ( $U_P$ )	$\leq 0.8$ kV
Voltage protection level [L/N-PE] ( $U_P$ )	$\leq 1.0$ kV
Response time [L-N] ( $t_A$ )	$\leq 25$ ns
Response time [L/N-PE] ( $t_A$ )	$\leq 100$ ns
Short-circuit withstand capability for max. mains-side overcurrent protection	6 kA <sub>rms</sub>
Temporary overvoltage (TOV) [L-N] ( $U_T$ )	335 V / 5 sec.
Temporary overvoltage (TOV) [L/N-PE] ( $U_T$ )	400 V / 5 sec.
Temporary overvoltage (TOV) [L+N-PE] ( $U_T$ )	1200 V + $U_{CS}$ / 200 ms
TOV characteristic [L-N]	withstand
TOV characteristic [L/N-PE]	withstand
TOV characteristic [L+N-PE]	safe
Fault indication	green light off
Operating state indication	green light
Number of ports	2
Operating temperature range ( $T_U$ )	-10°C...+40°C
Cross-sectional area (min.)	0.14 mm <sup>2</sup> solid/stranded/flexible
Cross-sectional area (max.)	2.5 mm <sup>2</sup> 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
a.c. switching capacity	250 V/0.5 A
d.c. switching capacity	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 <sup>2</sup> solid/flexible
Mains filter	acc. to DIN VDE 0565 Part 3
Attenuation for f = 1 MHz, balanced	$\geq 73$ dB
Attenuation for f = 1 MHz, unbalanced	$\geq 45$ dB
Weight	563 g
Customs tariff number	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.