



## Single-phase interference suppression filters with high attenuation: for currents 10-50 A

### Funkce a popis :

There is a higher-order low-pass filter. These filters with "D" mark have high attenuation from low frequencies to several GHz. Here are used safety condensers of type X, which are being wired among phases for filtration of symmetrical component. The condensers of type Y are being wired towards the ground for filtration of asymmetric component. They are produced in a metal case. Supply lead passing by the bushings is being wired straight into the terminals.



### TECHNICAL PARAMETERS:

Nominal operating voltage  
Extent of operating frequencies  $f_n$  (for  $I_n$ )  
Extent of operating currents  
Attenuation from 150kHz-1GHz/2GHz  
Short-term overcurrent capacity : 50%  $I_n$   
Thermal class : B  
Protection class : IP54  
Extent of operating temperature : -10°C + 40°C

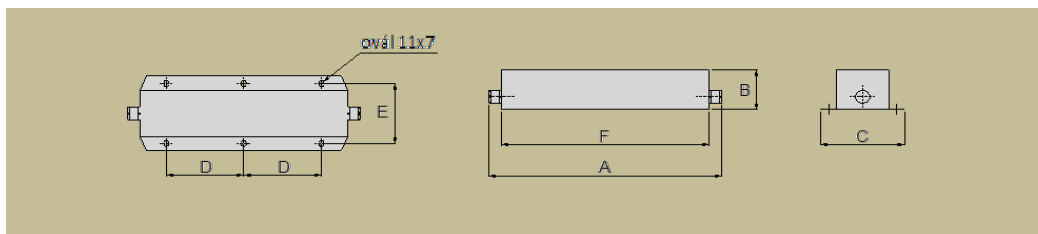
Un: 230 Vac  
Fn: 50-60 Hz  
In: 10-50A  
b : 80dB/60dB

Type	Nominal current [A]	Leakage current 1*) [mA]	Weight [kg]	Conductor cross section [mm <sup>2</sup> ]	basic dimensions [mm]					
					A	B	C	D	E	F
					length	height	width	pitch	pitch	other
SKY1FL10D	10	< 14	2	4-6	360	68	129	120	103	320
SKY1FL10DM	10	< 7	2	4-6	360	68	129	120	103	320
SKY1FL16D	16	< 14	2	4-6	360	68	129	120	103	320
SKY1FL16DM	16	< 7	2	4-6	360	68	129	120	103	320
SKY1FL16DS	16	<300	2	4-6	360	68	129	120	103	320
SKY1FL50D	50	< 14	5	6-10	490	110	158	120	134	450
SKY1FL50DS	50	< 300	5	6-10	490	110	158	120	134	450
SKY1FL50DMA	50	< 14	5	6-10	490	110	158	120	134	450

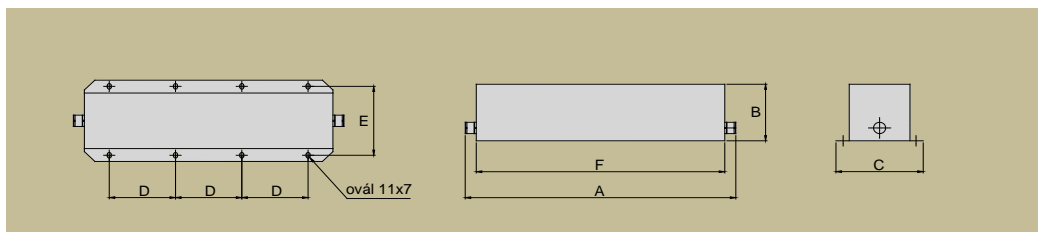
\* After a deal there is a possibility of modification of the outlets according to the customer's request.

1\*) Leakage current measurement was performed according to the standard ČSN EN 60950.

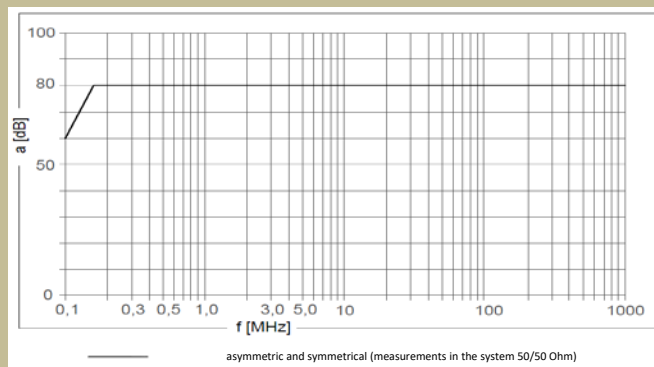
### Dimensional drawing for : SKY1FL10D, SKY1FL16D



### Dimensional drawing for : SKY1FL50D



### Attenuation characteristic:



### Use:

These filters are mostly intended for military and special purposes and also where really high attenuation is necessary.

### Dimensioning, wiring:

They are dimensioned according to indicated label nominal voltage and current values. Short-circuit protection must not exceed nominal current value. When connecting it is necessary to meet the EMC requirements!