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

Functions and description:

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.

SKY1FL16DMA

TECHNICAL PARAMETERS:

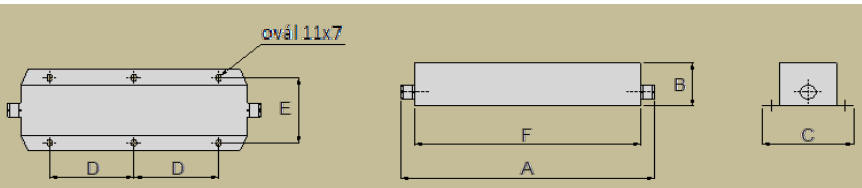
Nominal operating voltage	**Un: 230 Vac**
Extent of operating frequencies fn (for In)	**Fn: 50-60 Hz**
Extent of operating currents	**In: 10-50A**
Attenuation from 150kHz-1GHz/2GHz	**b : 80dB/60dB**
Short-term overcurrent capacity : 50% In	
Thermal class : B	
Protection class : IP54	
Extent of operating temperature : -10°C + 40°C	

Type	Nominal current [A]	Leakage current 1*) [mA]	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]					
					A length	B height	C width	D pitch	E pitch	F other
SKY1FL10DA	10	< 14	2	4-6	360	68	129	120	103	320
SKY1FL10DMA	10	< 7	2	4-6	360	68	129	120	103	320
SKY1FL16DA	16	< 14	2	4-6	360	68	129	120	103	320
SKY1FL16DMA	16	< 7	2	4-6	360	68	129	120	103	320
SKY1FL16DSA	16	< 300	2	4-6	360	68	129	120	103	320
SKY1FL16DMA2	16	< 2	2	4-6	360	68	129	120	103	320
SKY1FL50DA	50	< 14	5	6-10	490	110	158	120	134	450
SKY1FL50DSA	50	< 300	5	6-10	490	110	158	120	134	450

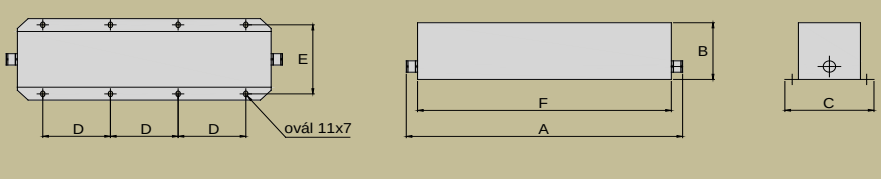
* After a deal there is a possibility of modification of the outlets according to the customer's request.

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

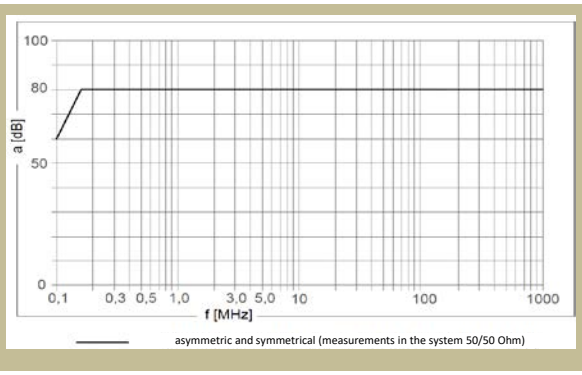
Dimensional drawing for : SKY1FL10DA, SKY1FL16DA



Dimensional drawing for : SKY1FL50DA



Attenuation characteristic : SKY1FL10DA - SKY1FL50DA



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!