

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. Entry into the filter is equipped with a shielded wire or socket the output of the filter is equipped with a shielded wire or plug.


TECHNICAL PARAMETERS: SKY1FL16DM1A, SKY1FL16DMA2C :

Nominal operating voltage	Un: 230 Vac
Extent of operating frequencies fn (for In)	Fn: 50-60 Hz
Extent of operating currents	In: 16 A
Attenuation from 150kHz-1GHz/2GHz	b : 80dB/60 dB
Short-term overcurrent capacity : 50% In	
Thermal class : B	
Protection class : IP54	
Extent of operating temperature: -25°C + 55°C	
Filters are supplied with cable	

TECHNICAL PARAMETERS: SKYFP10C-DMA-2 - SKYFP16C-DMA-2 :

Nominal operating voltage	Un: 250 Veff
Extent of operating frequencies fn (for In)	Fn: 50-400 Hz
Extent of operating currents	In: 10 A
Attenuation from 150kHz-1GHz/2GHz	b : 30 dB
Short-term overcurrent capacity : 50% In	
Thermal class : B	
Protection class : IP20	
Extent of operating temperature: -10°C + 40°C	
Filters are supplied with cable and socket	

TECHNICAL PARAMETERS: SKYFP10D-TMA-2-2x2 - SKYFP16D-TMA-2-2-ver. :

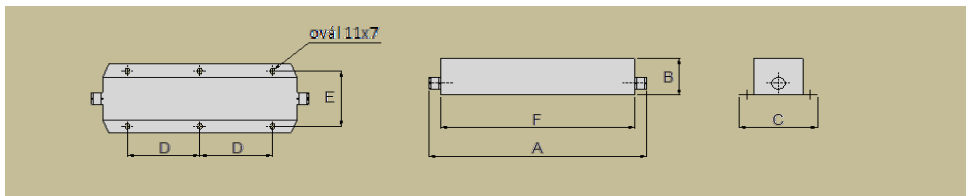
Nominal operating voltage	Un: 250 Vac
Extent of operating frequencies fn (for In)	Fn: 50-400 Hz
Extent of operating currents	In: 10-16A
Attenuation from 150kHz-1GHz/2GHz	b : 80dB/60dB
Short-term overcurrent capacity : 50% In	
Thermal class : B	
Protection class : IP20	
Extent of operating temperature: -10°C + 40°C	
Filters are supplied with cable	

Type	Nominal current [A]	Leakage current 1*) [mA]	Weight [kg]	basic dimensions [mm]					
				A	B	C	D	E	F
				length	height	width	pitch	pitch	other
SKY1FL16DMA1A	16	< 3,5	2	360	68	129	120	103	320
SKY1FL16DMA2C	16	< 3,5	2	360	68	129	120	103	320
SKYFP10C-DMA-2	10	-	1,1	200	47	86	185	-	169
SKYFP10D-TMA-1	10	-	1,1	200	47	86	185	-	169
SKYFP10D-TMA-2-2x2	10	-	2,1	195	46	92	179	70	193
SKYFP16C-DMA-2	16	-	1,1	200	47	86	185	-	169
SKYFP16D-TMA-2-2	16	< 1,5	1	180	46	60	146,5	40	160
SKYFP16D-TMA-2-2-rev.2	16	< 2	1,1	210	46	60	176,5	40	190
SKYFP16D-TMA-2-2-80dB	16	< 5	1,5	210	46	60	176,5	40	190
SKYFP16D-TMA-2-2-ver. 2*	16	< 2,8	1,8	210	46	60	176,5	40	190

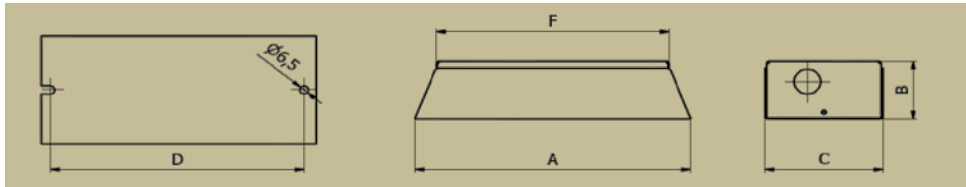
* After a deal there is a possibility of modification of the outlets according to the customer's request.

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

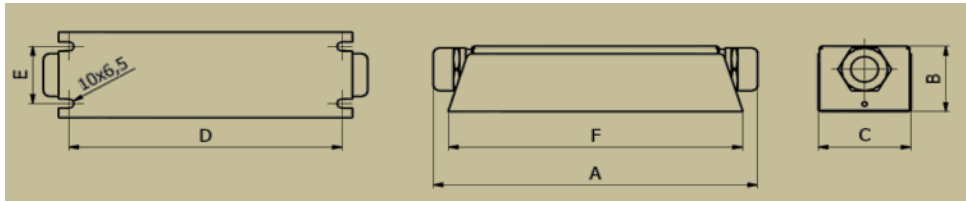
2*) Three version

Dimensional drawing for : SKY1FL16DM1A, SKY1FL16DMA2C


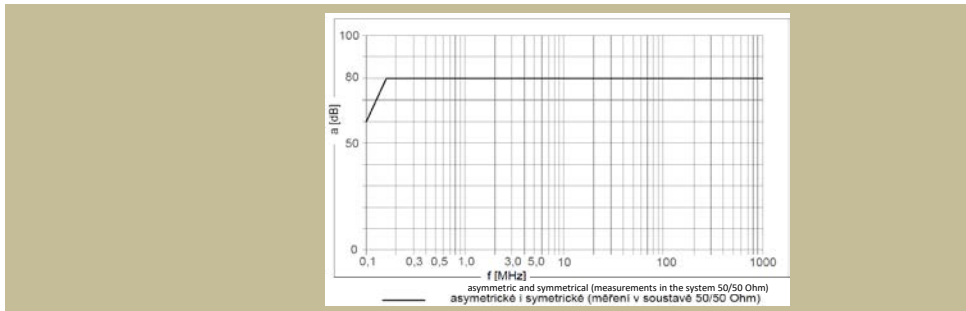
Dimensional drawing for : SKYFP10C-DMA-2, SKYFP10D-TMA-1, SKYFP16C-DMA-2



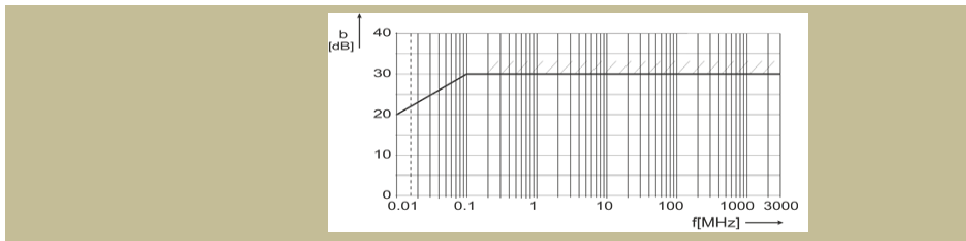
Dimensional drawing for : SKYFP10D-TMA-2-2x2 - SKYFP16D-TMA-2-2-ver.



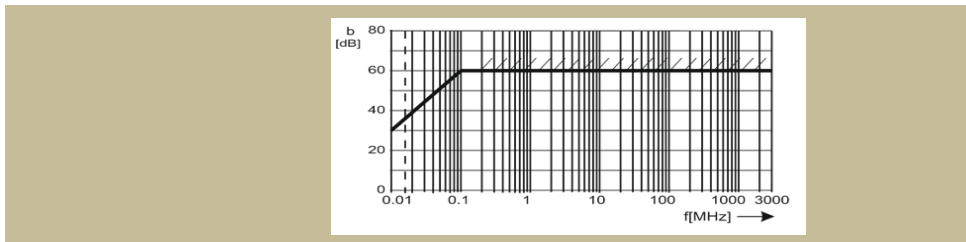
Attenuation characteristic : SKY1FL16DM1A, SKY1FL16DMA2C



Attenuation characteristic : SKY1FP10C-DMA-2, SKYFP10D-TMA-1, SKYFP16C-DMA-2



Attenuation characteristic : SKYFP10D-TMA-2-2x2 - SKYFP16D-TMA-2-2-ver.



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!