

Single-phase interference suppression filters, type TZS

FN series

Description:

FN series are radio frequency single-phase interference suppression filters with a commutating choke. Low pass filter is created by combination of inductance L and condensers C. The low pass filter restricts radio frequency interference which is spread back to a feed array and also it increases interference resistance of the device coming from this feed array. The commutating choke is good for restriction of deformation backward operation to LV line and also for decrease of current harmonic components. It restricts commutating rectifier current.



TECHNICAL PARAMETERS: SKY2FN3, SKY2FN3XR :

Nominal operating voltage	Un: 230Vac
Extent of operating frequencies fn (for In)	Fn: 50-60 Hz
Extent of operating currents	In: 3A
Short-term overcurrent capacity : 50% In	
Thermal class : B	
Protection class : IP00	
Extent of operating temperature : -10°C + 40°C	



TECHNICAL PARAMETERS: SKY2FN7, SKY2FN10 :

Nominal operating voltage	Un: 230Vac
Extent of operating frequencies fn (for In)	Fn: 50-60 Hz
Extent of operating currents	In: 7-50A
Short-term overcurrent capacity : 50% In	
Thermal class : B	
Protection class : IP20	
Extent of operating temperature : -10°C + 40°C	



TECHNICAL PARAMETERS: SKY2FN16, SKY2FN16 N :

Nominal operating voltage	Un: 230Vac
Extent of operating frequencies fn (for In)	Fn: 50-60 Hz
Extent of operating currents	In: 16A
Short-term overcurrent capacity : 50% In	
Thermal class : B	
Protection class : IP00	
Extent of operating temperature : -10°C + 40°C	

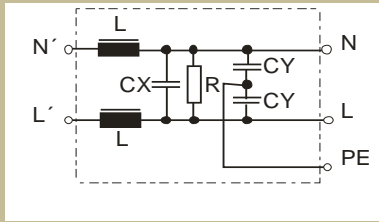
Type	Nominal current [A]	Leakage current 1*) [mA]	Weight [kg]	Conductor cross section [mm ²]	basic dimensions [mm]					
					A	B	C	D	E	F
					length	height	width	pitch	pitch	other
SKY2FN3	3	< 3,5	0,3	2,5	96	45	57	62,5	50	nebo DIN
SKY2FN3XR	3	< 3,5	0,3	2,5	96	45	57	62,5	50	nebo DIN
SKY2FN7	7	< 3,5	0,6	2,5	97	59	86	75	60	nebo DIN
SKY2FN10	10	< 3,5	0,6	2,5	97	59	86	75	60	nebo DIN
SKY2FN16	16	< 14	4,2	6	172	109	120	150	65	-
SKY2FN16_N	16	< 0,7	4,3	6	172	109	120	150	65	-

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

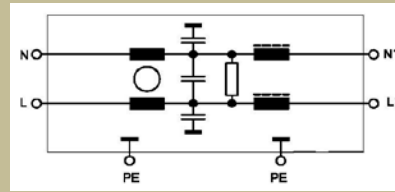
1*) Leakage current measurement was performed according to the standard ČSN EN 60950.

Wiring diagram:

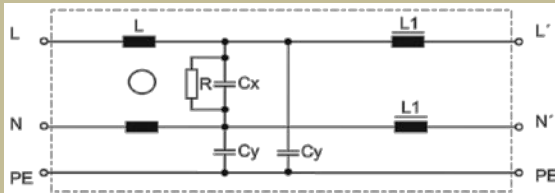
SKY2FN3 - SKY2FN10



SKY2FN16

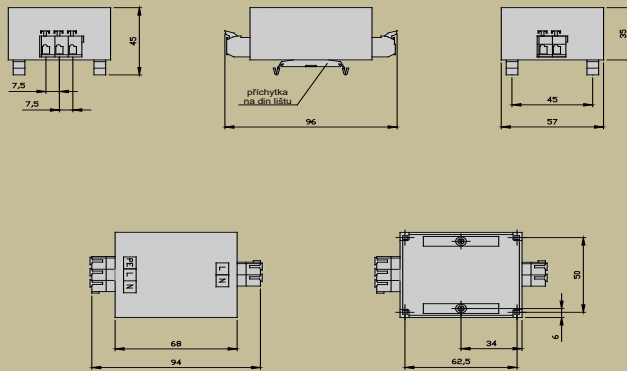


SKY2FN16_N

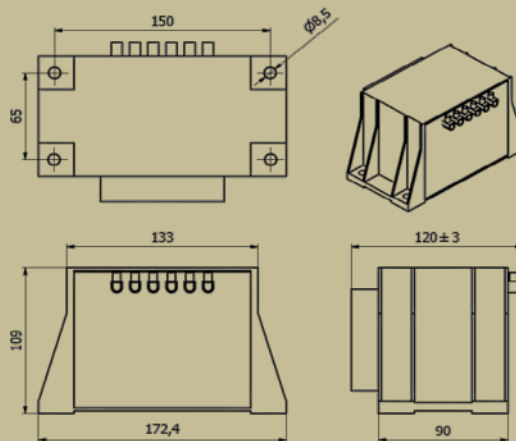


Dimensional drawing:

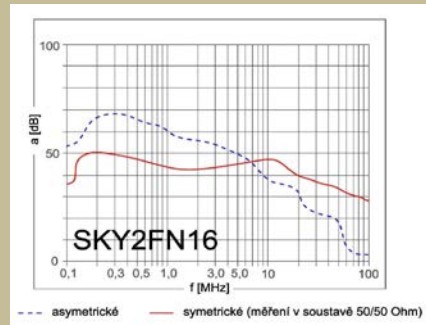
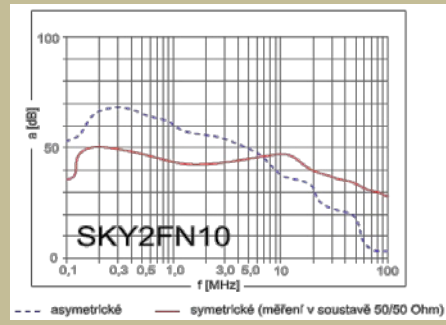
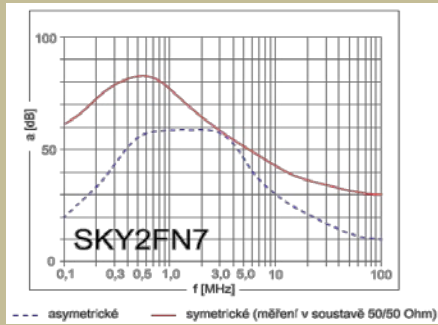
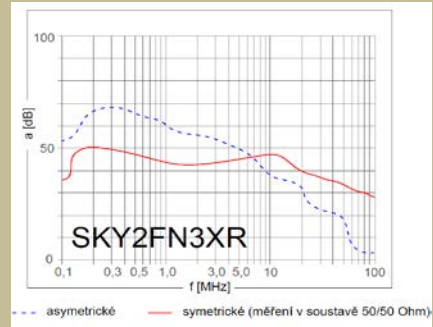
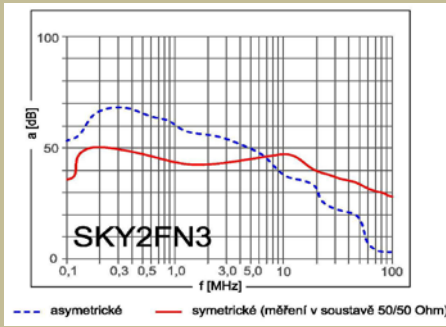
SKY2FN3 - SKY2FN10



SKY2FN16, SKY2FN16_N



Attenuation characteristic:



Use:

The interference suppression filters **FN series** are intended for frequency changers. Wiring of individual passive components of the filter is chosen so that the frequency changer fulfils limits for V-terminal voltage in residential premises.

Výrobce si vyhrazuje právo na změnu specifikací a vzhledu produktů bez předchozího upozornění.