SKYBERGTECH
U Mototechny 107
251 62 Tehovec
Czech Republic
Tel.: +420 323605511
+420 323660013
Fax: +420 323607922
http://www.skybergtech.com
E-mail: info@skybergtech.com

Single-phase interference suppression filters, type TZS
FN series

Description:

SKY2FN3, SKY2FN7, SKY2FN10 and **SKY2FN16** 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.

SKY2FN3



TECHNICAL PARAMETERS:

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	

SKY2FN7



TECHNICAL PARAMETERS:

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

SKY2FN10



TECHNICAL PARAMETERS:

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

SKY2FN16



TECHNICAL PARAMETERS:

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	

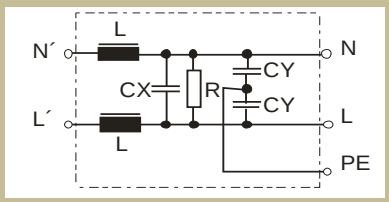
Type	Nominal current [A]	Leakage current 1*) [mA]	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]					
					A	B	C	D	E	F
					length	height	width	pitch	pitch	other
SKY2FN3	3	< 3,5	0,3	2,5	96	57	45	62,5	50	or DIN
SKY2FN7	7	< 3,5	0,58	2,5	97	59	78	75	60	or DIN
SKY2FN10	10	< 3,5	0,6	2,5	97	59	78	75	60	or DIN
SKY2FN16	16	< 14	4,2	6	172	108,8	119	150	65	or DIN

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

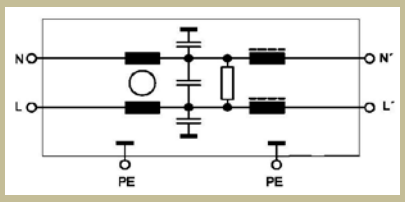
1*) Leakage current measurement was performed according to the standard ČSN EN 60950.

Wiring diagram:

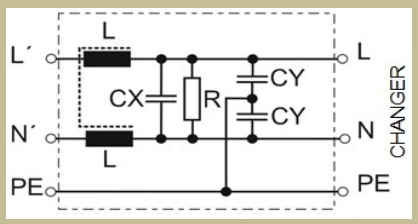
SKY2FN3



SKY2FN16

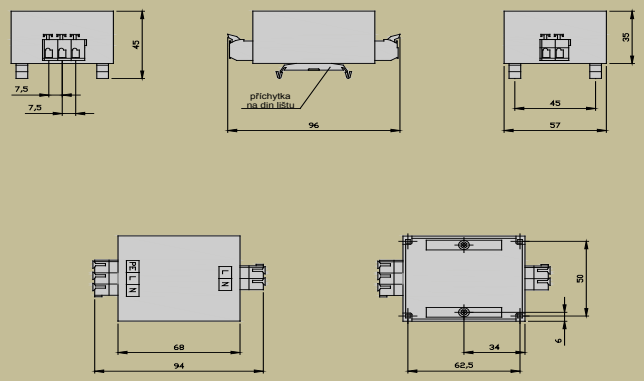


SKY2FN7 a SKY2FN10

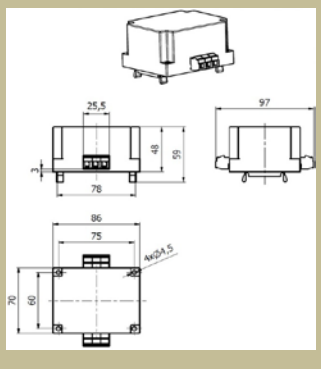


Dimensional drawing:

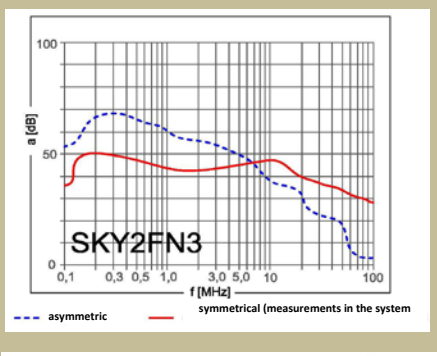
SKY2FN3 a SKY2FN16

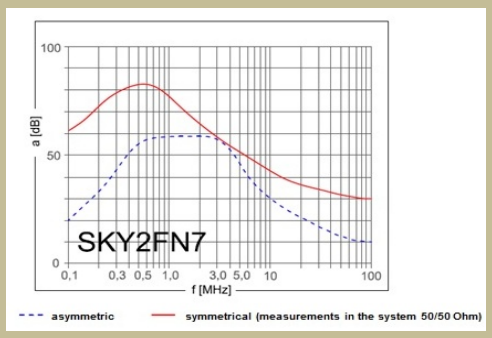


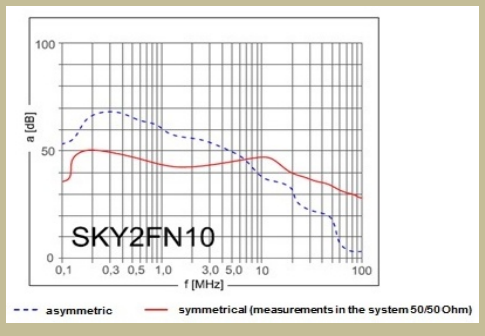
SKY2FN7 a SKY2FN10

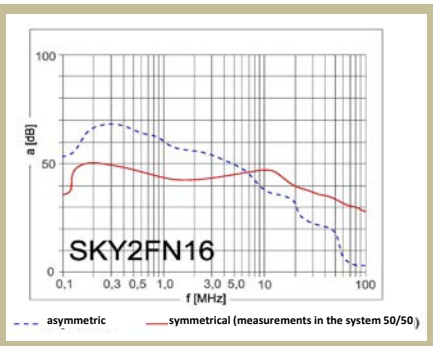


Attenuation characteristic:









Use:

The interference suppression filters **SKY2FN3, SKY2FN7, SKY2FN10** and **SKY2FN16** 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 with **SKY2FN3, SKY2FN7, SKY2FN10** and **SKY2FN16.**