

Pulse interference suppression filter

Description:

pulse single-phase interference suppression filter with high attenuation. Low pass filter is created by multiple 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. Contacts S1, S2 serve for indication of overloading of the surge voltage protector. When it comes to opening of contact between S1 and S2, the surge voltage protector will not be functional.

SKY2IF6C


TECHNICAL PARAMETERS:

Nominal operating voltage	Un : 230 Vac
Extent of operating currents	In : 6 A
Protection class: IP20	
Extent of operating temperature: 0°C + 40°C	

SKY2IF10C


TECHNICAL PARAMETERS:

Nominal operating voltage	Un : 230 Vac
Extent of operating currents	In : 10 A
Protection class: IP20	
Extent of operating temperature: 0°C + 40°C	

SKY3IF6C


TECHNICAL PARAMETERS:

Nominal operating voltage	Un : 3x230/400 Vac
Extent of operating currents	In : 6 A
Protection class: IP20	
Extent of operating temperature: 0°C + 40°C	

SKY4IF10C


TECHNICAL PARAMETERS:

Nominal operating voltage	Un : 3x230/400 Vac
Extent of operating currents	In : 10 A
Protection class: IP20	
Extent of operating temperature: 0°C + 40°C	

SKY4IF25C



TECHNICAL PARAMETERS:

Nominal operating voltage Un : 3x230/400 Vac
Extent of operating currents In : 25 A
Protection class: IP20
Extent of operating temperature: 0°C + 40°C

SKY4IF32C



TECHNICAL PARAMETERS:

Nominal operating voltage Un : 3x230/400 Vac
Extent of operating currents In : 32 A
Protection class: IP20
Extent of operating temperature: 0°C + 40°C

SKY4IF40C



TECHNICAL PARAMETERS:

Nominal operating voltage Un : 3x230/400 Vac
Extent of operating currents In : 40 A
Protection class: IP20
Extent of operating temperature: 0°C + 40°C

SKY4IF50C



TECHNICAL PARAMETERS:

Nominal operating voltage Un : 3x230/400 Vac
Extent of operating currents In : 50 A
Protection class: IP20
Extent of operating temperature: 0°C + 40°C

SKY4IF100C



TECHNICAL PARAMETERS:

Nominal operating voltage Un : 3x230/400 Vac
Extent of operating currents In : 100 A
Protection class: IP20
Extent of operating temperature: 0°C + 40°C



TECHNICAL PARAMETERS:

Nominal operating voltage	Un : 3x230/400 Vac
Extent of operating currents	In : 200 A
Protection class: IP20	
Extent of operating temperature: 0°C + 40°C	



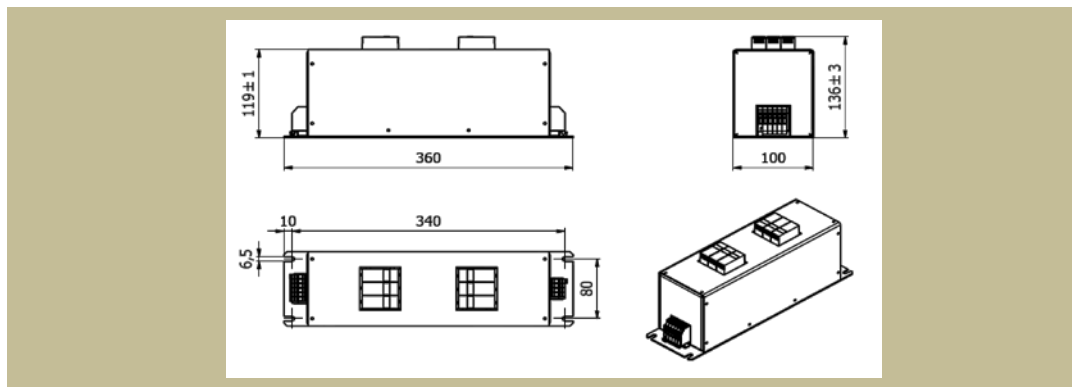
TECHNICAL PARAMETERS:

Nominal operating voltage	Un : 3x230/400 Vac
Extent of operating currents	In : 320 A
Protection class: IP20	
Extent of operating temperature: 0°C + 40°C	

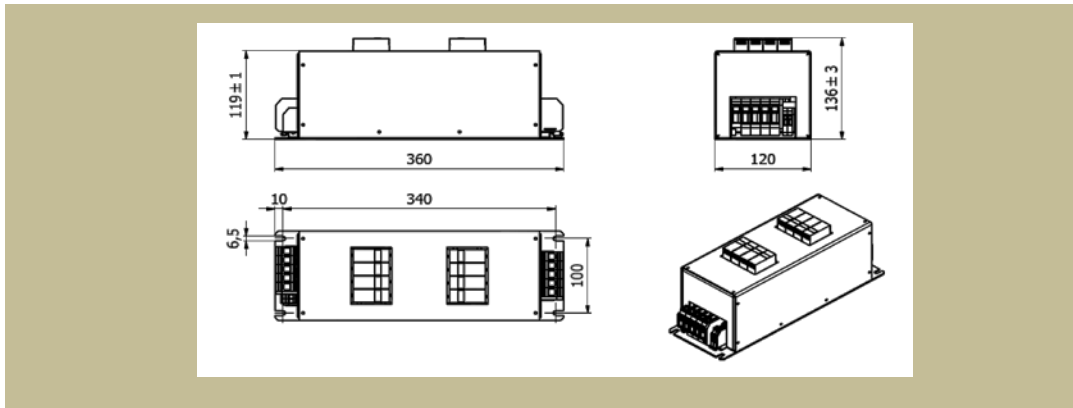
Type	Nominal current [A]	Power loss [W]	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]					
					length	height	width	pitch	pitch	other
SKY2IF6C	6	2,5	2,8	4	360	136	100	340	80	6,5x10
SKY2IF10C	10	6	2,9	4	360	136	100	340	80	6,5x10
SKY3IF6C	6	2,6	2,9	4	360	136	100	340	80	6,5x10
SKY4IF10C	10	7,2	3,9	16	360	136	120	340	100	6,5x10
SKY4IF25C	25	16	4,1	16	360	136	120	340	100	6,5x10
SKY4IF32C	32	13	4,2	16	360	136	120	340	100	6,5x10
SKY4IF40C	40	19	4,3	16	360	136	120	340	100	6,5x10
SKY4IF50C	50	25	4,2	16	360	136	120	340	100	6,5x10
SKY4IF100C	100	18	9	20x3 Ø9	395	136	240	330	120	8,5x15
SKY4IF200C	200	11	10	20x3 Ø9	395	135	240	330	120	8,5x15
SKY4IF320C	320	19	11,5	25x5 Ø9	395	135	240	330	120	8,5x15

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

Dimensional drawing SKY2IF6C, SKY2IF10C, SKY3IF6C :



Dimensional drawing SKY4IF10C, SKY4IF25C, SKY3IF32C, SKY3IF40C, SKY4IF50C :



Dimensional drawing SKY4IF100C, SKY4IF200C, SKY4IF320C :

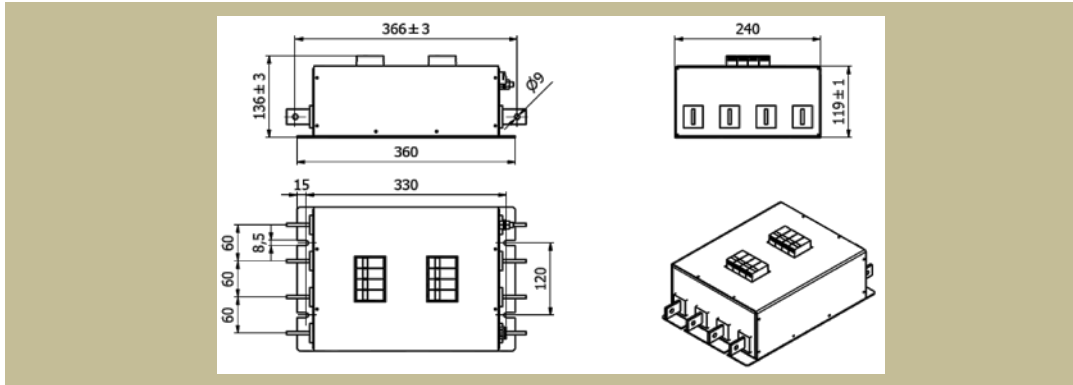
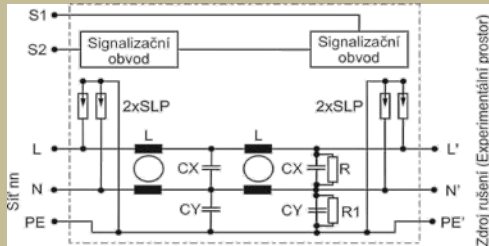
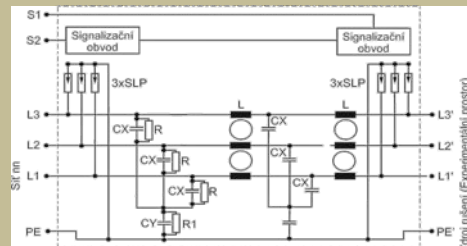


Diagram:

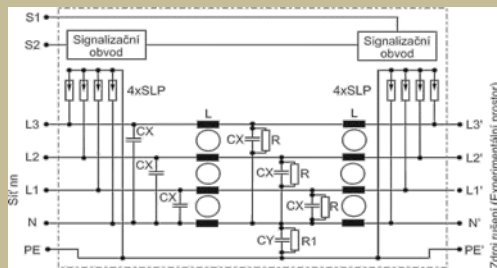
SKY2IF6C, SKY2IF10C



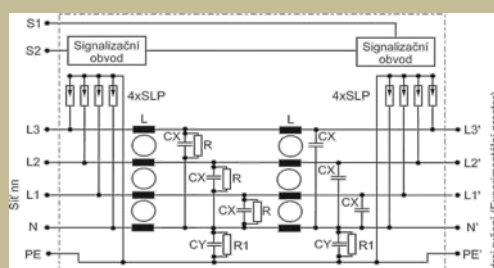
SKY3IF6C



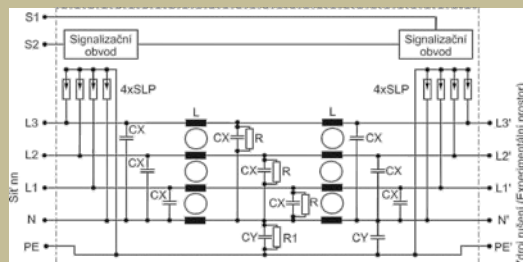
SKY4IF10C



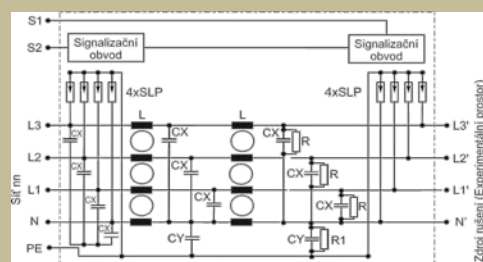
SKY4IF25C



SKY4IF32C, SKY4IF40C, SKY4IF50C



SKY4IF100C, SKY4IF200C, SKY4IF320C



Dimensioning, wiring:

They are dimensioned according to indicated label nominal voltage and current values. Short-circuit protection must not exceed nominal current value. When installing into switchboards it is necessary to count with power loss of the filters and is necessary to provide for sufficient removal of heat.

Use:

It is used to appliances which need supplemental interference suppression. The typical application are: electrical distribution cubicles with installed single and three-phase loads. (variable speed drives, softstarters, SMPS, thyristor regulators and other interference emitting devices. The filter also limits impulse interferences comes from a power supply.
