

Single-phase interference suppression filters, type TZS

FL series

Description:

FL series are radio frequency single-phase interference suppression filters. 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. Thanks to that a device life is prolonged. The EMC requirements of the relevant ČSN EN... standards can be met by the filter assembly. When connecting it is necessary to meet the EMC requirements for its proper function, i. e. as short PE connection as possible and to avoid paralleling of inlet and outlet from the filter.

SKY1FL16BNZ


TECHNICAL PARAMETERS:

Nominal operating voltage Un: 230Vac
 Extent of operating currents In: 16A
 Short-term overcurrent capacity : 50% In
 Thermal class : B
 Protection class : IP20
 Extent of operating temperature : -10°C + 40°C

SKY1FL20A


TECHNICAL PARAMETERS:

Nominal operating voltage Un: 230Vac
 Extent of operating currents In: 20A
 Short-term overcurrent capacity : 50% In
 Thermal class : B
 Protection class : IP20
 Extent of operating temperature : -10°C + 40°C

SKY1FL25C 570Vdc


TECHNICAL PARAMETERS:

Nominal operating voltage Un: 575Vdc
 Extent of operating currents In: 25A
 Short-term overcurrent capacity : 50% In
 Thermal class : B
 Protection class : IP20
 Extent of operating temperature : -10°C + 40°C

SKY2FL16B-400Vac


TECHNICAL PARAMETERS:

Nominal operating voltage Un: 400Vac
 Extent of operating currents In: 16A
 Short-term overcurrent capacity : 50% In
 Thermal class : B
 Protection class : IP20
 Extent of operating temperature : -10°C + 40°C

SKY2FLDC140EB


TECHNICAL PARAMETERS:

Nominal operating voltage Un: 230Vac
 Extent of operating currents In: 16A
 Short-term overcurrent capacity : 50% In
 Thermal class : B
 Protection class : IP20
 Extent of operating temperature : -10°C + 40°C

SKY1FL1BV



TECHNICAL PARAMETERS:

Nominal operating voltage Un: 230Vac
Extent of operating currents In: 1A
Short-term overcurrent capacity : 50% In
Thermal class : B
Protection class : IP54
Extent of operating temperature : -10°C + 40°C

SKY1FL25B-400Vac



TECHNICAL PARAMETERS:

Nominal operating voltage Un: 400Vac
Extent of operating currents In: 25A
Short-term overcurrent capacity : 50% In
Thermal class : B
Protection class : IP20
Extent of operating temperature : -10°C + 40°C

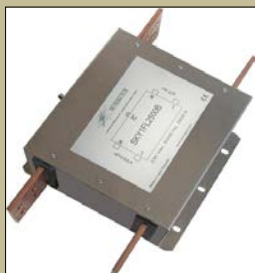
SKY1FL40B-400Vac



TECHNICAL PARAMETERS:

Nominal operating voltage Un: 400Vac
Extent of operating currents In: 40A
Short-term overcurrent capacity : 50% In
Thermal class : B
Protection class : IP20
Extent of operating temperature : -10°C + 40°C

SKY1FL2500B-690V



TECHNICAL PARAMETERS:

Nominal operating voltage Un: 690Vac
Extent of operating currents In: 2500A
Short-term overcurrent capacity : 50% In
Thermal class : B
Protection class : IP00
Extent of operating temperature : -10°C + 40°C

SKY1FL32B-PA



TECHNICAL PARAMETERS:

Nominal operating voltage Un: 100-240Vac
Extent of operating currents In: 32A
Short-term overcurrent capacity : 50% In * 60s
Thermal class : B
Protection class : IP20
Extent of operating temperature : -20°C + 60°C

SKY1FL80CPIT-750Vdc



TECHNICAL PARAMETERS:

Nominal operating voltage Un: 750Vdc
Extent of operating currents In: 80A
Short-term overcurrent capacity : 50% In
Thermal class : B
Protection class : IP00
Extent of operating temperature : 0°C + 40°C

SKY1FL800CPIT-400V



TECHNICAL PARAMETERS:

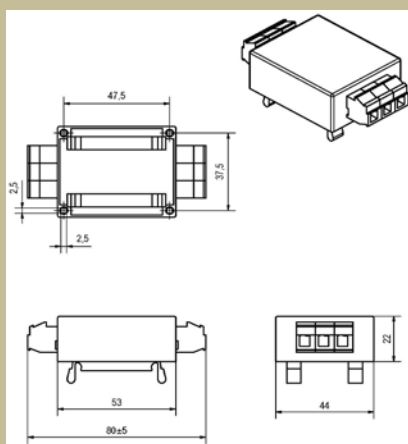
Nominal operating voltage Un: 400Vac
 Extent of operating currents In: 800A
 Short-term overcurrent capacity : 50% In
 Thermal class : B
 Protection class : IP00
 Extent of operating temperature : 0°C + 40°C

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
SKY1FL16BNZ	16	0,75	0,3	2,5	80	22	44	47,5	37,5	nebo DIN
SKY1FL20A	20	8	0,4	2,5	88	53,5	48	75	13,5	4x10
SKY1FL25C 570Vdc	25	-	0,6	4 - 6	134	50	55	122	40	4,5x6
SKY2FL16B-400Vac	16	80	0,6	4 - 6	134	50	55	122	40	4,5x6
SKY2FLDC140EB	16	80	0,6	4 - 6	134	50	55	122	40	-
SKY1FL1BV	1	0,5	0,12	0,75+1	36	36	42	-	-	DIN lišta
SKY1FL25B-400Vac	25	8	0,6	6-10	141	50	55	122	40	4,5x6
SKY1FL40B-400Vac	40	28	0,8	6-10	160	56	98	88	83	5x6
SKY1FL2500B-690V	2500	-	28	100x10 4xØ13	500	180	340	2x100	310	9x16
SKY1FL32B-PA	32	16	0,6	4	112,5	71,5	68	97,5	32,5; 8,6	5,2x10
SKY1FL80CPIT-750Vdc	80	-	4,2	20x3 Ø9	357	62	174	302	114	9x16
SKY1FL800CPIT-400V	800	-	12,5	40x10 Ø11	450	135	252	2x150	227	9x16

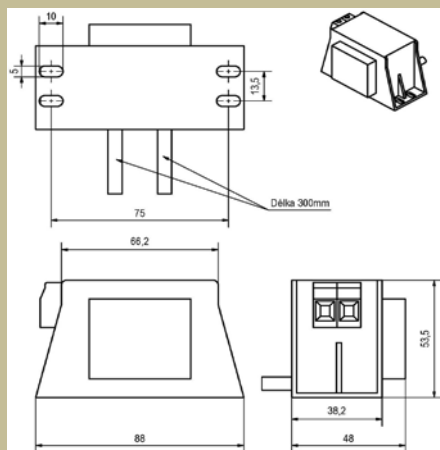
* After a deal there is a possibility of modification of the filter construction according to the customer's request.

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

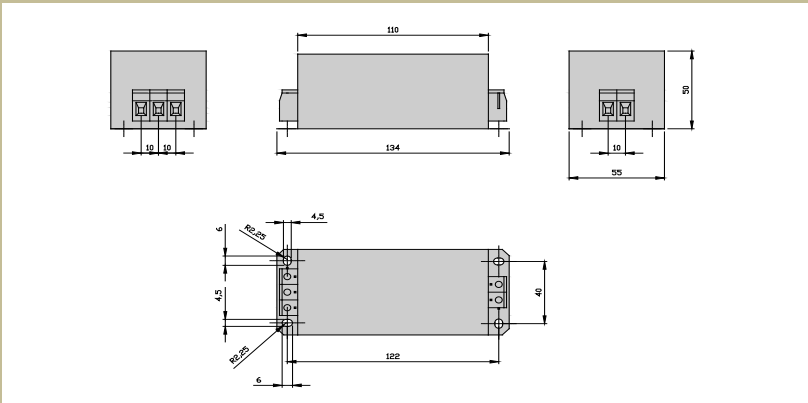
Dimensional drawing: SKY1FL16BNZ



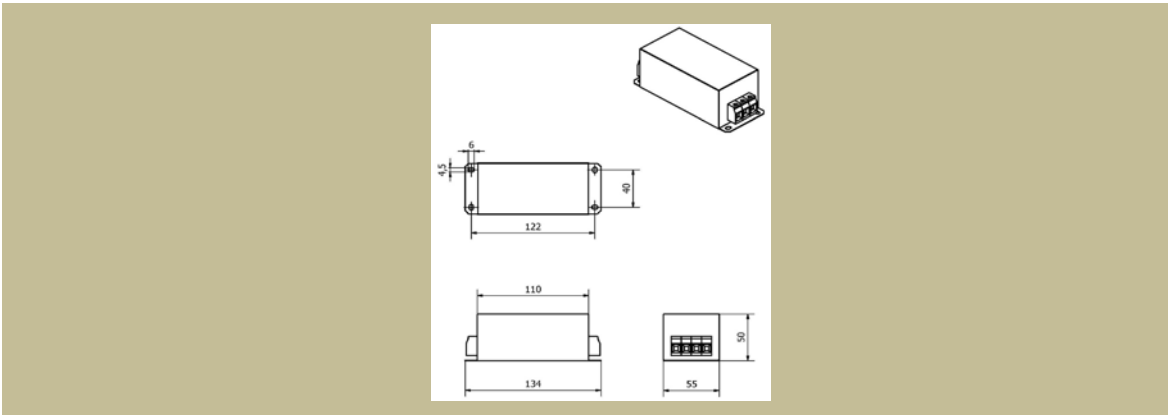
Dimensional drawing: SKY1FL20A



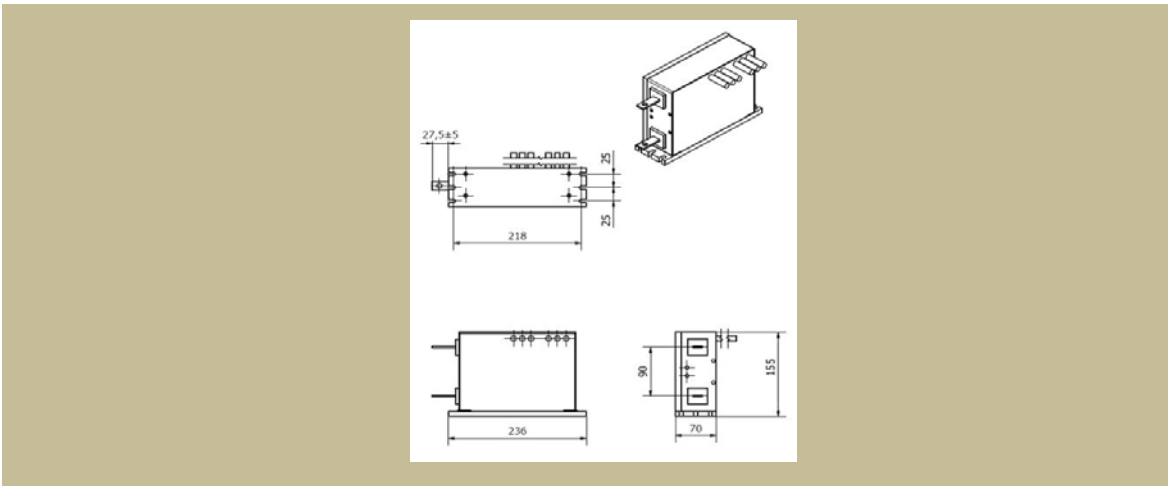
Dimensional drawing : SKY1FL25C 570Vdc



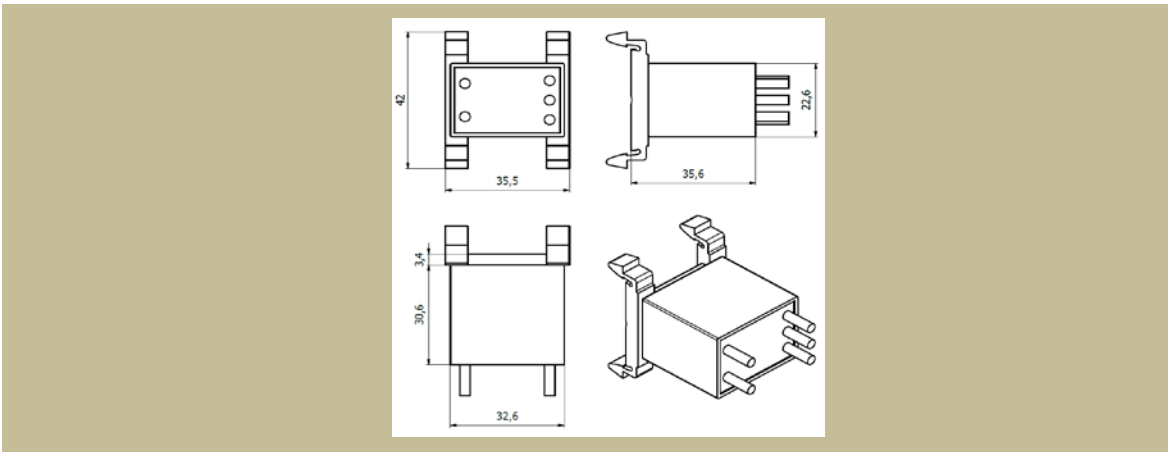
Dimensional drawing: SKY2FL16B-400Vac



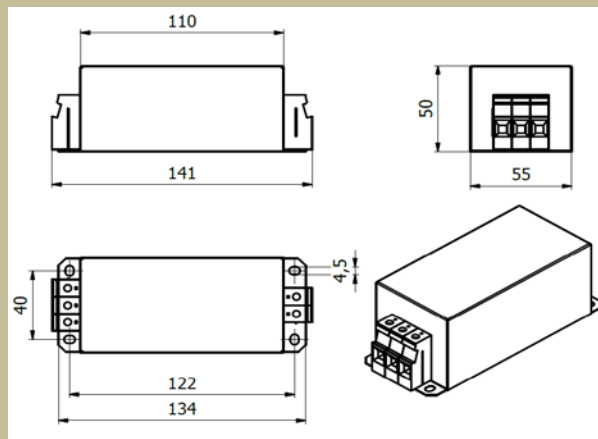
Dimensional drawing : SKY2FLDC140EB



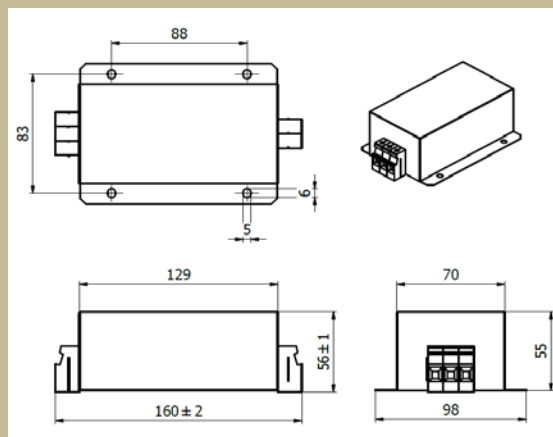
Dimensional drawing : SKY1FL1BV



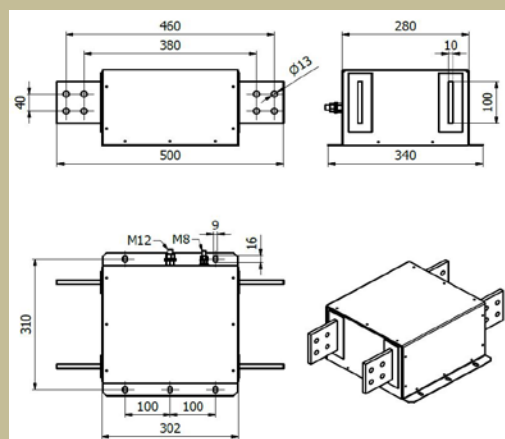
Dimensional drawing : SKY1FL25B-400Vac



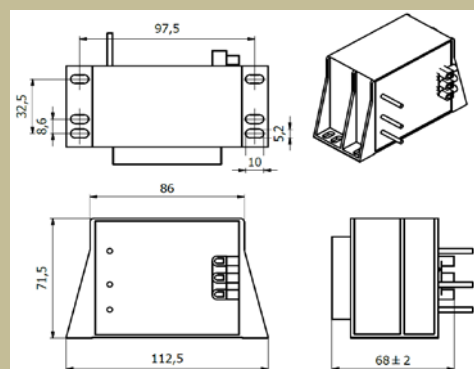
Dimensional drawing : SKY1FL40B-400Vac



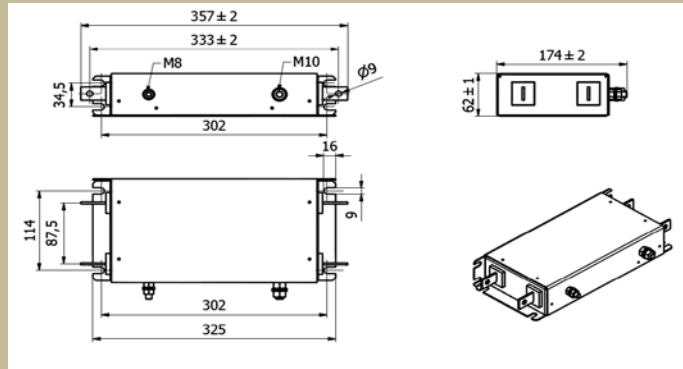
Dimensional drawing : SKY1FL2500B-690V



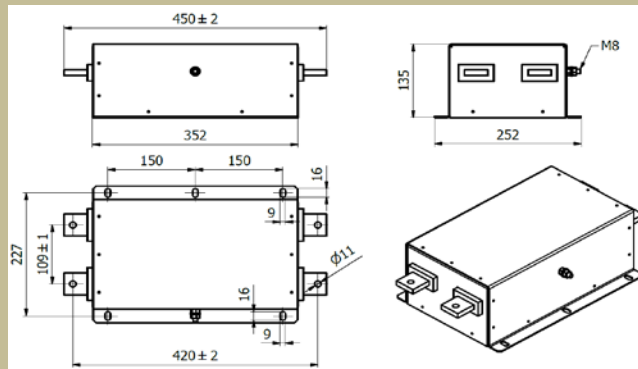
Dimensional drawing: SKY1FL32B-PA



Dimensional drawing: SKY1FL80CPIT-750Vdc



Dimensional drawing : SKY1FL800CPIT-400V



Attenuation characteristic:

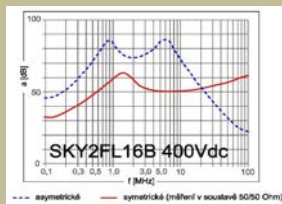
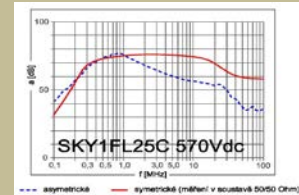
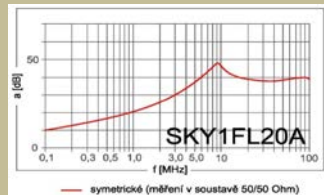
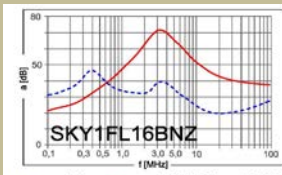
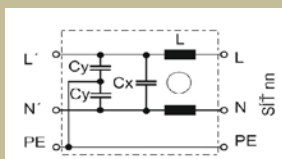
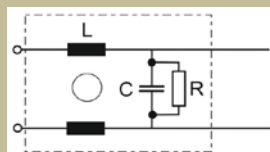


Diagram:

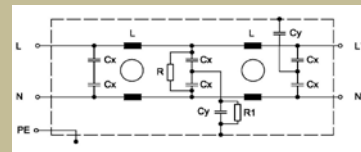
SKY1FL16BNZ



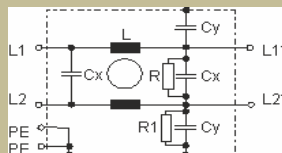
SKY1FL20A



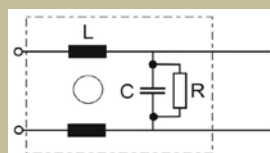
SKY1FL25C 570Vdc



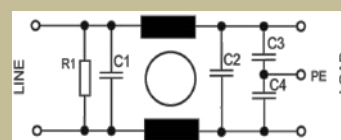
SKY2FL16B-400Vac



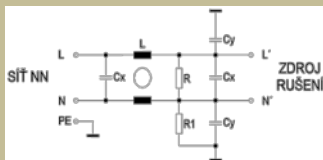
SKY2FLDC140EB



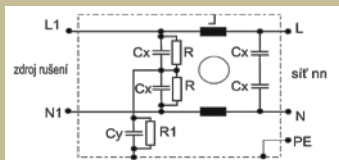
SKY1FL1BV



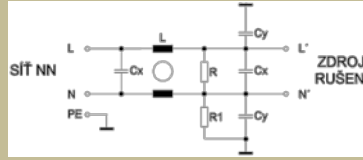
SKY1FL25B-400Vac



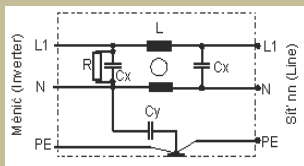
SKY1FL40B-400Vac



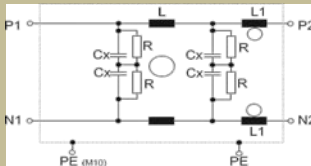
SKY1FL1BV



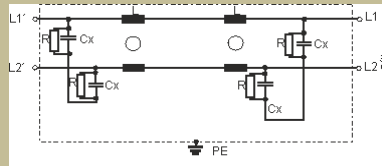
SKY1FL32B-PA



SKY1FL80CPIT-750Vdc



SKY1FL800CPIT-400V



Použití :

The filters are used for supplemental interference suppression of frequency converters and appliances. For example: soft starters, pulse resources, thyristor controls and electronic units.