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SET for solar power stations SKY32FOGSIT

Description:

The set for the solar power stations consists of a DC input radio-frequency interference suppression filter, sinusoidal filter, choke and line radio-frequency interference suppression filter. In case of synchronous operation of the inverters is possible to add a three-phase sinusoidal filter consisting of three single-phase chokes.



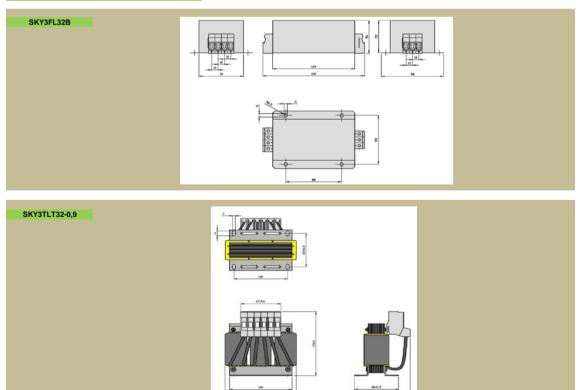
TECHNICAL PARAMETERS :

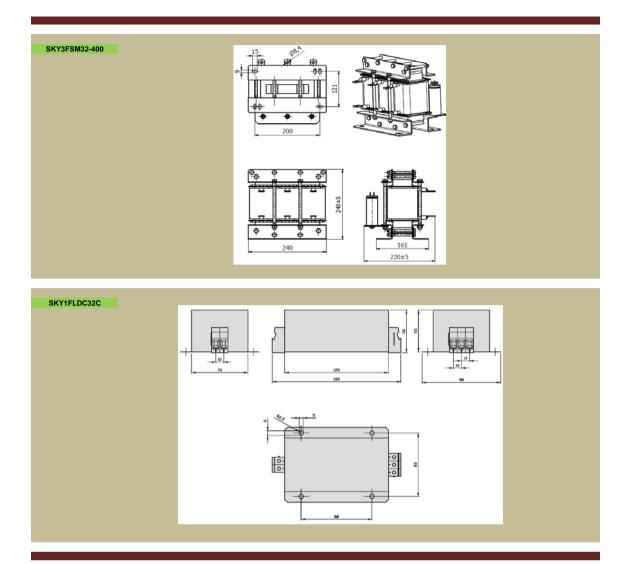
Nominal operating voltage Extent of operating currents Extent of operating temperature : 0°C + 40°C Un : 3x230/400Vac In : 32A

Туре	Nominal current [A]	Nominal voltage	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]]
					length	height	width	pitch	pitch	other
SKY3FL32B	32	3x230/400Vac	1,1	6 - 10	160	56	98	88	83	5x6
SKY3TLT32-0,9	32	3x500Vac	6,7	6 - 10	178	176	112	122	65	7x13
SKY3FSM32-400	32	3x230/400Vac	20	lug 35x8	240	240	220	200	121	9x15
SKY1FLDC32C	32	1200Vdc	1	6 - 10	160	56	98	88	83	5x6

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

Dimensional drawing :





Attenuation characteristics:

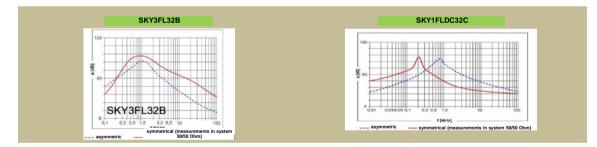
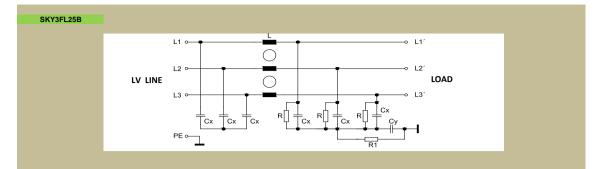
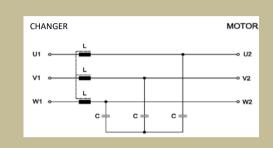
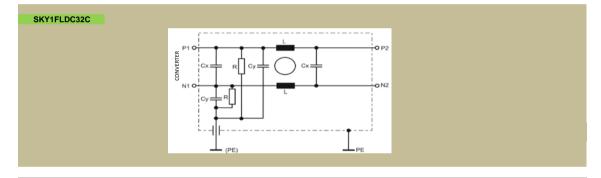


Diagram:

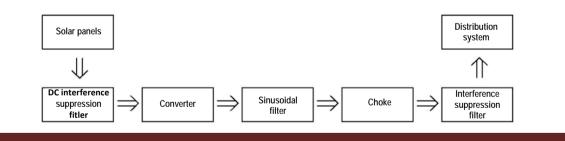


SKY3FSM32-400





Principle diagram:



Dimensioning, wiring:

The DC interference suppression filter is supposed to be wired between the solar panels and converter. A low-frequency LCL filter, which consists of the sinusoidal filter and output choke, is supposed to be wired to the output side of the converter. The LC sinusoidal filter creates sinusoidal voltage from PWM converter. The L choke reduces inrush currents between the solar power station and LV line. The radio-frequency interference suppression filter, which reduces size of radio-frequency interference to distribution system from the converter, is supposed to be wired behind the output low-frequency LCL filter.