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Jednofázové odrušovací filtry typu TZS
řada TZS

Description:

It is low frequency and also radio frequency interference suppression LC filter which is connected symmetrically. It is produced for asymmetrical load in TNC network. Low pass filter is created by combination of inductance L and condensers C. The low pass filter restricts radio frequency interference and harmonic components which are spread back to a feed array. The filter is mainly intended for switchboards where is mostly mounted as close as possible behind a power supply terminal block of low voltage. The EMC requirements of standards can be met by the assembly of the filter, above all, of the standard ČSN EN 61000-6-3 and ČSN EN 61000-6-4 in cases when in the switchboards are single interference-suppressed or non-interference-suppressed appliances (frequency converters, servo controls, switch-mode power supplies, regulators with power semi-conductors which operate in pulse regime, appliances with non-linear input circuits), but the switchboard as a whole does not meet the EMC requirements.

SKY3RF80-480

TECHNICAL PARAMETERS:

Nominal operating voltage	**Un: 3x277 / 480 Vac**
Extent of operating currents	**In: 80 A**
Protection class : IP00	

SKY3RF100-480IT

TECHNICAL PARAMETERS:

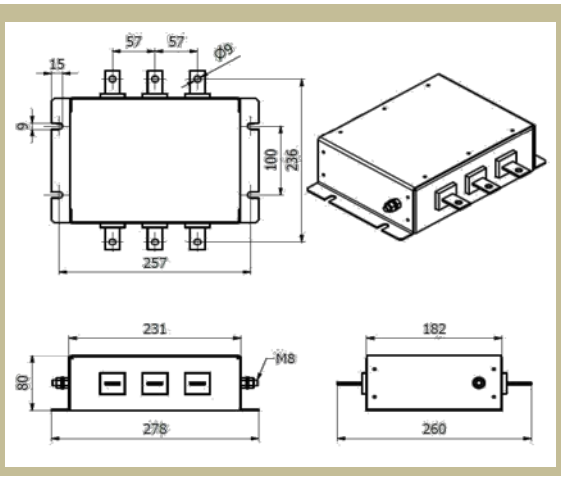
Nominal operating voltage	**Un: 3x277 / 480 Vac**
Extent of operating currents	**In: 100 A**
Protection class : IP00	

Type	Nominal current [A]	Weight [kg]	Leakage current 1*) [A]	basic dimensions [mm]						
				A	B	C	D	E	F	G
				length	height	width	pitch	pitch	pitch	pitch
SKY3RF80-480	80	9 Kč	70	260	80	278	100	257	236	57
SKY3RF100-480IT	100	9,2	70	260	80	278	100	257	236	57

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

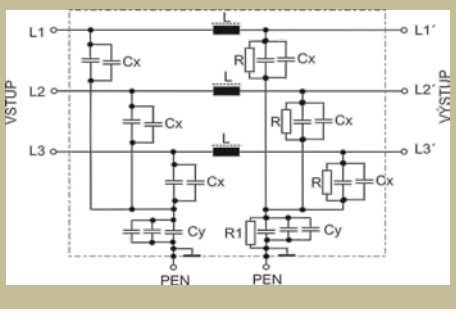
1*) Leakage current measurement was performed according to the standard ČSN EN 60950.

Dimensional drawing :

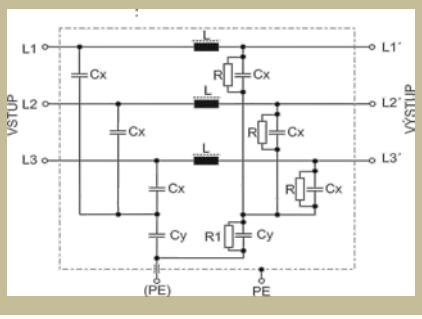


Wiring diagram:

SKY3RF80-480



SKY3RF100-480IT



Use

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 and it is necessary to provide for sufficient removal of heat.
When connecting it is necessary to meet the EMC requirements. There must not be any paralleling of interference-suppressed and non-interference-suppressed circuits. The grounding connections must be as short as possible and it is necessary to avoid any ground loops.