

Sinusoidal filter 3x10A bis 3x60A

Type: SF-054



Technical Data

Nominal current	: related to 40°C ambient temperatur
Overload	: 1,5 x I _N for 10min
Test voltage	: 1978V DC 2s (Line./Line, Line./PE)
Housing material	: Aluminium
Application class	: -25°C to +40°C, Moisture class C
Connection type	: connection terminals IP20 and PE connecting bolts

The SF-054 sinusoidal filter series has been designed in order to build a sinusoidal waveform at the output of frequency inverters.

Advantages of type SF-054:

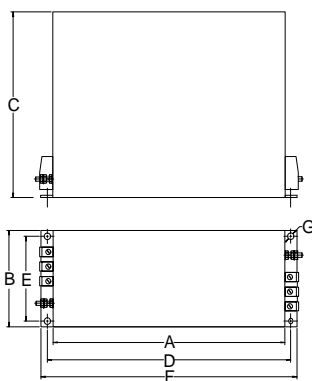
- Quiet motor running through high damping of inverter switching frequency
- Increase of motor life expectancy
- low eddy current loss
- Reduction of leakage current

Type	U _N V~	I _N A	Rotary field frequency [Hz]	Switching frequency [Hz]	Connection data single lead/flex in mm	Connect. PE-bolts	Weight approx kg
SF-054-F-3-010	460	3 x 10	0 - 150	∅ 12 kHz	4/4mm ²	M5	10
SF-054-F-3-016	460	3 x 16	0 - 150	∅ 12 kHz	4/4mm ²	M5	13
SF-054-F-3-025	460	3 x 25	0 - 150	∅ 12 kHz	10/6mm ²	M6	28
SF-054-F-3-040	460	3 x 40	0 - 150	∅ 12 kHz	16/10mm ²	M8	38
SF-054-F-3-060	460	3 x 60	0 - 150	∅ 10 kHz	35/25mm ²	M8	52

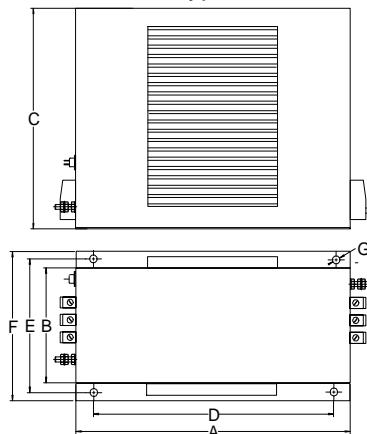
Housing dimensions: (in mm)

Filtertype	Typ	A	B	C	D	E	F	G
SF-054-F-3-010	1	200	95	190	224	75	250	8,5
SF-054-F-3-016	2	275	80	230	225	100	120	8,5
SF-054-F-3-025	3	450	160	157	474	140	500	8,5
SF-054-F-3-040	3	420	230	155	444	190	470	8,5
SF-054-F-3-060	3	460	290	170	484	250	510	8,5

Type 1



Type 2



Type 3

