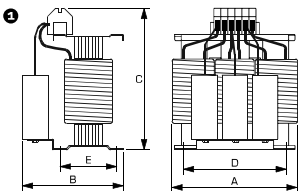




Sinusoidal filter SFB

		SFB 400/4	SFB 400/10	SFB 400/16,5	SFB 400/23,5	SFB 400/32	SFB 400/37	
Electrical data	Type							
	Operating data							
	Rated voltage	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	
	Voltage range	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	
	Voltage drop	7,5 %	7 %	7,5 %	8 %	8,7 %	8,6 %	
	Rated current	4 A	10 A	16,5 A	23,5 A	32 A	37 A	
	for motor rated output approx.	1,50 kW	4,00 kW	7,50 kW	11,00 kW	15,00 kW	18,50 kW	
	Rated frequency	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz	
	Switching frequency	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	
	Approvals							
Approvals	cURus	cURus	cURus	cURus	cURus	cURus		
Environment								
Ambient temperature max.	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C		
Safety and protection								
Type	open type	open type	open type	open type	open type	open type		
Class of Insulation System	H	H	H	H	H	H		
Protection index	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00		
Safety class (prepared)	I	I	I	I	I	I		
Test voltage	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz		
Order numbers								
Order Number	SFB 400/4	SFB 400/10	SFB 400/16,5	SFB 400/23,5	SFB 400/32	SFB 400/37		
Mechanical data	Terminal and mounting							
	Fixing method	Fixing rail	Fixing rail	Fixing rail	Fixing rail	Fixing rail	Fixing rail	
	Fixing screws	M5	M5	M5	M6	M6	M6	
	Connections phase/N	Screw clamp, 4 mm ²	Screw clamp, 4 mm ²	Screw clamp, 10 mm ²	Screw clamp, 16 mm ²	Screw clamp, 16 mm ²	Screw clamp, 16 mm ²	
	Connections PE	Bolt, M4	Bolt, M4	Bolt, M4	Bolt, M6	Bolt, M6	Bolt, M6	
	Measures and weights							
	Weight	4,00 kg	5,50 kg	8,50 kg	14,50 kg	19,00 kg	21,00 kg	
	Dimension picture (in mm)	1	1	1	1	1	1	
	A	155	155	190	240	240	240	
	B	105	120	160	190	200	210	
C	160	160	185	280	280	280		
D	130	130	170	190	190	190		
E	56	71	67	105	105	115		

Dimension pictures



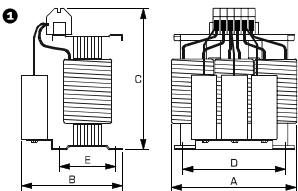
MOTOR-SIDE PSUPPRESSION/ SINUSOIDAL FILTERS



Sinusoidal filter SFB

Type	SFB 400/48	SFB-N 400/61	SFB-N 400/72	SFB-N 400/90	SFB 400/115	SFB 400/150
Electrical data						
<u>Operating data</u>						
Rated voltage	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac
Voltage range	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac
Voltage drop	7.8 %	8.3 %	7.5 %	10 %	11 %	10.2 %
Rated current	48 A	61 A	72 A	90 A	115 A	150 A
for motor rated output approx.	22.00 kW	30.00 kW	37.00 kW	45.00 kW	55.00 kW	75.00 kW
Rated frequency	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz	0 - 150 Hz
Switching frequency	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz
<u>Approvals</u>						
Approvals	cURus	cURus	cURus	cURus	cURus	cURus
<u>Environment</u>						
Ambient temperature max.	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
<u>Safety and protection</u>						
Type	open type	open type	open type	open type	open type	open type
Class of Insulation System	H	H	H	H	H	H
Protection index	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00
Safety class (prepared)	I	I	I	I	I	I
Test voltage	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz
<u>Order numbers</u>						
Order Number	SFB 400/48	SFB-N 400/61	SFB-N 400/72	SFB-N 400/90	SFB 400/115	SFB 400/150
Mechanical data						
<u>Terminal and mounting</u>						
Fixing method	Fixing rail	Fixing rail	Fixing rail	Fixing rail	Fixing rail	Fixing rail
Fixing screws	M6	M8	M8	M8	M8	M10
Connections phase/N	Screw clamp, 16 mm ²	Screw clamp, 35 mm ²	Screw clamp, 35 mm ²	Screw clamp, 50 mm ²	Screw clamp, 95 mm ²	Screw clamp, 95 mm ²
Connections PE	Bolt, M6	Bolt, M8	Bolt, M8	Bolt, M8	Bolt, M8	Bolt, M8
<u>Measures and weights</u>						
Weight	25.50 kg	33.50 kg	37.00 kg	53.00 kg	66.00 kg	69.00 kg
Dimension picture (in mm)	1	1	1	1	1	1
A	240	300	300	300	360	360
B	220	228	240	270	210	225
C	280	315	315	320	415	415
D	190	240	240	240	264	264
E	125	133	145	172	125	140

Dimension pictures

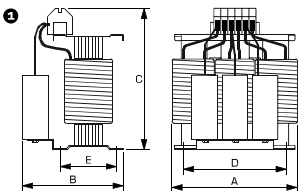




Sinusoidal filter SFB

		SFB 400/180	SFB 400/250	SFB 400/440	SFB 400/480	
Electrical data	Type	SFB 400/180	SFB 400/250	SFB 400/440	SFB 400/480	
	Operating data					
	Rated voltage	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	3 x 400 Vac	
	Voltage range	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	
	Voltage drop	7,5 %	7,5 %	7,5 %	7 %	
	Rated current	180 A	250 A	440 A	480 A	
	for motor rated output approx.	90.00 kW	132.00 kW	250.00 kW	0.00 kW	
	Rated frequency	0 - 60 Hz	0 - 60 Hz	0 - 60 Hz	0 - 60 Hz	
	Switching frequency	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	4 - 8 kHz	
	Approvals					
Approvals	cURus	cURus	cURus	cURus		
Environment						
Ambient temperature max.	40 °C	40 °C	40 °C	40 °C		
Safety and protection						
Type	open type	open type	open type	open type		
Class of Insulation System	H	H	H	H		
Protection index	IP 00	IP 00	IP 00	IP 00		
Safety class (prepared)	I	I	I	I		
Test voltage	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz	3000 Vac, 50 Hz		
Order numbers						
Order Number	SFB 400/180	SFB 400/250	SFB 400/440	SFB 400/480		
Mechanical data	Terminal and mounting					
	Fixing method	Fixing rail	Fixing rail	Fixing rail	Fixing rail	
	Fixing screws	M10	M10	M10		
	Connections phase/N	Screw clamp, 150 mm ²	Screw clamp, 150 mm ²	Screw clamp, 150 mm ²		
	Connections PE	Bolt, M8	Bolt, M12	Bolt, M12		
	Measures and weights					
	Weight	75.00 kg	120.00 kg	200.00 kg	220.00 kg	
	Dimension picture (in mm)	1	1	1	1	
	A	360	400	610	-	
	B	240	500	540	-	
C	415	450	450	-		
D	264	320	550	-		
E	154	450	480	-		

Dimension pictures



3.1

3.2

3.3

3.4

3.5