

LINE-SIDE SUPPRESSION/ RADIO INTERFERENCE SUPPRESSION FILTER

Radio interference filter, single phase,
low leakage current

HFE 104



General Data

Rated voltage 250 Vac
Voltage range 0 - 250 Vac
Rated current 1.00 - 65.00 A
Leakage current 0.37 mA
Degree of protection IP 00
Flat-pin terminals 6.3 x 0.8 mm

Advantages

For general requirements
Low leakage current
Single-stage filter concept
Efficient filter effect against line-bound interference emissions
Increase in the interference immunity of the connected consumer

Applications

Radio interference suppression filter for mains-side interference suppression of power supplies and electronic devices.

Standards

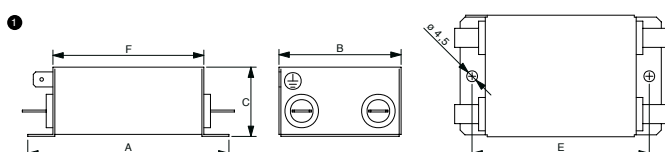
Radio interference suppression filter to DIN EN 60939-2



Radio interference filter, single phase, low leakage current **HFE 104**

Electrical data	Type	HFE 104-230/1	HFE 104-230/2	HFE 104-230/3	HFE 104-230/6	HFE 104-230/10	HFE 104-230/16
	Operating data						
	Rated voltage	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac
	Voltage range	0 - 250 Vac	0 - 250 Vac	0 - 250 Vac	0 - 250 Vac	0 - 250 Vac	0 - 250 Vac
	Rated current	1 A	2 A	3 A	6 A	10 A	16 A
Standards	Leakage current (50 Hz)	0.37 mA	0.37 mA	0.37 mA	0.37 mA	0.37 mA	0.37 mA
	Rated frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
	Oversrating Capacity	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly
	Classification	EMI filter	EMI filter	EMI filter	EMI filter	EMI filter	EMI filter
	Environment						
Safety and protection	Climatic category	25/085/21 (in accordance with EN 60068-1)	25/085/21 (in accordance with EN 60068-1)	25/085/21 (in accordance with EN 60068-1)	25/085/21 (in accordance with EN 60068-1)	25/085/21 (in accordance with EN 60068-1)	25/085/21 (in accordance with EN 60068-1)
	Ambient temperature max.	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
	Type	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure
	Protection index	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00
	Safety class (prepared)	I	I	I	I	I	I
Order numbers	Test voltage	1700 Vdc Phase/N, 2700 Vdc Phase/PE	1700 Vdc Phase/N, 2700 Vdc Phase/PE	1700 Vdc Phase/N, 2700 Vdc Phase/PE	1700 Vdc Phase/N, 2700 Vdc Phase/PE	1700 Vdc Phase/N, 2700 Vdc Phase/PE	1700 Vdc Phase/N, 2700 Vdc Phase/PE
	Order Number	HFE 104-230/1	HFE 104-230/2	HFE 104-230/3	HFE 104-230/6	HFE 104-230/10	HFE 104-230/16
Mechanical data	Terminal and mounting						
	Connections phase/N	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm
	Connections PE	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm	Tab connector, 6.3 x 0.8 mm
	Fixing method	Mounting lugs	Mounting lugs	Mounting lugs	Mounting lugs	Mounting lugs	Mounting lugs
	Measures and weights						
	Weight	0.20 kg	0.20 kg	0.25 kg	0.25 kg	0.30 kg	0.35 kg
	Dimension picture (in mm)	①	①	①	①	①	①
	A	70	70	84	84	84	84
	B	45	45	51	51	51	51
	C	29	29	29	29	39	39
	D	-	-	-	-	-	-
	E	60	60	74	74	74	74
	F	50	50	63	63	63	63

Dimension pictures



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HFE 104

Electrical data	Type	HFE 104-230/20
	Operating data	
	Rated voltage	250 Vac
	Voltage range	0 - 250 Vac
	Rated current	20 A
	Leakage current (50 Hz)	0.37 mA
	Rated frequency	50 - 60 Hz
	Ovrerrating Capacity	150 %, shortly
	Standards	
	Classification	EMI filter
Mechanical data	Environment	
	Climatic category	25/085/21 in accordance with EN 60068-11
	Ambient temperature max.	40 °C
	Safety and protection	
	Type	Metal enclosure
	Protection index	IP 00
	Safety class (prepared)	I
	Test voltage	1700 Vdc Phase/N, 2700 Vdc Phase/PE
	Order numbers	
	Order Number	HFE 104-230/20
Mechanical data	Terminal and mounting	
	Connections phase/N	Tab connector, 6.3 x 0.8 mm
	Connections PE	Tab connector, 6.3 x 0.8 mm
	Fixing method	Mounting lugs
	Measures and weights	
	Weight	0.70 kg
	Dimension picture (in mm)	2
	A	118
	B	84
	C	38
	D	51
	E	108
	F	99

Dimension pictures

