

Radio interference suppression filter, single-phase **HFE 156**



General Data

Rated voltage 250 Vac
Voltage range 0 - 250 Vac
Rated current 1.00 - 16.00 A
Leakage current 8.00 mA
Ambient temperature max. 45 °C
Degree of protection IP 20

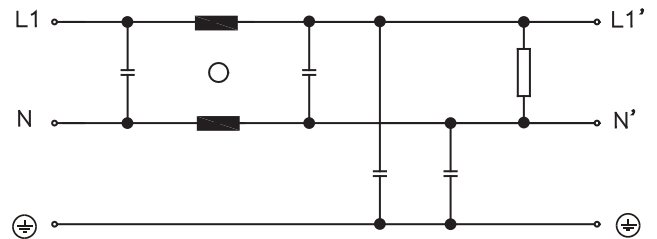
Advantages

For general requirements
Single-stage filter concept
Efficient filter effect against line-bound interference emissions
Increase in the interference immunity of the connected consumer
DIN rail mounting

Applications

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

Sample application



Standards

Radio interference suppression filter to DIN EN 60939-2

Approvals





Radio interference suppression filter, single-phase **HFE 156**

Typ		HFE 156-230/1	HFE 156-230/3	HFE 156-230/6	HFE 156-230/10	HFE 156-230/12	HFE 156-230/16
Electrical data	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	3 A	6 A	10 A	12 A	16 A
	Leakage current (50 Hz)	8 mA	8 mA	8 mA	8 mA	8 mA	8 mA
	Rated frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
	Power loss	0.9 W	1.8 W	2.6 W	4.0 W	6.2 W	8.9 W
	Oversrating Capacity	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly
	Environment						
	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.	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	
Safety and protection	Type	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure
	Protection index	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
	Safety class (prepared)	I	I	I	I	I	I
	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 numbers						
Order Number	HFE 156-230/1	HFE 156-230/3	HFE 156-230/6	HFE 156-230/10	HFE 156-230/12	HFE 156-230/16	
Mechanical data	Terminal and mounting						
	Terminals phase	2.5 mm ² spring terminal	2.5 mm ² spring terminal	2.5 mm ² spring terminal	2.5 mm ² spring terminal	2.5 mm ² spring terminal	2.5 mm ² spring terminal
	Terminals 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	Panel installation on mounting rails	Panel installation on mounting rails	Panel installation on mounting rails	Panel installation on mounting rails	Panel installation on mounting rails	Panel installation on mounting rails
	Measures and weights						
	Weight	0.32 kg	0.33 kg	0.33 kg	0.34 kg	0.56 kg	0.55 kg
	Dimension picture (in mm)	1	1	1	1	1	1
	A	107	107	107	107	127	127
	B	40	40	40	40	45	45
	C	85	85	85	85	110	110
D	22	22	22	22	52	52	
E	33	33	33	33	33	33	
F	100	100	100	100	120	120	

Dimension pictures

