

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

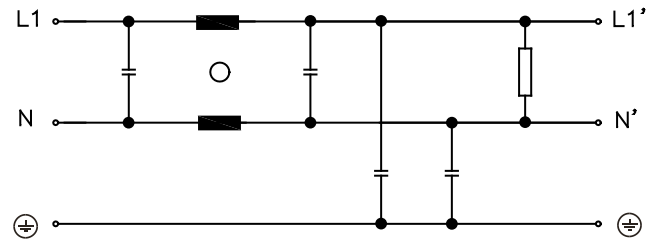
Advantages

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



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

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						
Connections 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
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	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

