

## Radio interference suppression filter, single-phase, low leakage current **HFE 200**



### General Data

Rated voltage 250 Vac
Voltage range 0 - 250 Vac
Rated current 1.00 - 16.00 A
Leakage current 0.40 mA
Degree of protection IP 20

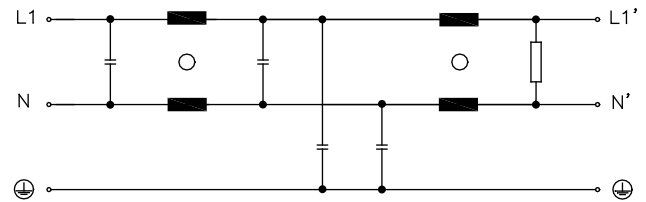
### Advantages

For enhanced requirements
Low leakage current
Two 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.

### Sample application



### Standards

Radio interference suppression filter to DIN EN 60939-2

### Approvals





## Radio interference suppression filter, single-phase, low leakage current **HFE 200**



Typ	HFE 200-230/1	HFE 200-230/3	HFE 200-230/6	HFE 200-230/10	HFE 200-230/12	HFE 200-230/16
<b>Electrical data</b>						
<b>Operating data</b>						
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)	0.4 mA	0.4 mA	0.4 mA	0.4 mA	0.4 mA	0.4 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
<b>Environment</b>						
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
<b>Safety and protection</b>						
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
<b>Order numbers</b>						
<b>Order Number</b>	<b>HFE 200-230/1</b>	<b>HFE 200-230/3</b>	<b>HFE 200-230/6</b>	<b>HFE 200-230/10</b>	<b>HFE 200-230/12</b>	<b>HFE 200-230/16</b>

Order Number	HFE 200-230/1	HFE 200-230/3	HFE 200-230/6	HFE 200-230/10	HFE 200-230/12	HFE 200-230/16
<b>Mechanical data</b>						
<b>Terminal and mounting</b>						
Connections phase	Screw clamp, 4 mm <sup>2</sup>	Screw clamp, 4 mm <sup>2</sup>	Screw clamp, 4 mm <sup>2</sup>	Screw clamp, 4 mm <sup>2</sup>	Screw clamp, 4 mm <sup>2</sup>	Screw clamp, 4 mm <sup>2</sup>
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
<b>Measures and weights</b>						
Weight	0.14 kg	0.19 kg	0.37 kg	0.53 kg	0.53 kg	0.58 kg
Dimension picture (in mm)	①	①	①	①	①	①
A	85	85	114	156	156	119
B	54	54	57	58	58	86
C	35	47	55	67	67	69
D	75	75	103	143	143	109
E	34	46	54	66	66	68
F	5.5	5.5	5.5	5.5	5.5	5.5

### Dimension pictures

