

## Radio interference filter, single-phase, no leakage current **HLE 810**



### General Data

Rated voltage 250 Vac
Voltage range 0 - 250 Vac
Rated current 4 - 55 A
Degree of protection IP 20

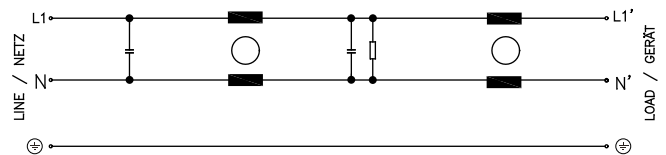
### Advantages

For enhanced requirements
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 line-side interference suppression of single devices or frequency converters.

### Sample application



### Standards

Radio interference suppression filter to DIN EN 60939-2

### Approvals **EAC**



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Typ	HLE 810-230/4	HLE 810-230/8	HLE 810-230/12	HLE 810-230/16	HLE 810-230/20	HLE 810-230/25
<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	4 A	8 A	12 A	16 A	20 A	25 A
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.	50 °C	50 °C	50 °C	50 °C	50 °C	50 °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/Phase, 2700 Vdc Phase/PE	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE
<b>Order numbers</b>						
<b>Order Number</b>	<b>HLE 810-230/4</b>	<b>HLE 810-230/8</b>	<b>HLE 810-230/12</b>	<b>HLE 810-230/16</b>	<b>HLE 810-230/20</b>	<b>HLE 810-230/25</b>

Typ	HLE 810-230/30	HLE 810-230/42	HLE 810-230/55
<b>Electrical data</b>			
<b>Operating data</b>			
Rated voltage	250 Vac	250 Vac	250 Vac
Voltage range	0 - 250 Vac	0 - 250 Vac	0 - 250 Vac
Rated current	30 A	42 A	55 A
Rated frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Oversrating Capacity	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)
Ambient temperature max.	50 °C	50 °C	50 °C
<b>Safety and protection</b>			
Type	Metal enclosure	Metal enclosure	Metal enclosure
Protection index	IP 20	IP 20	IP 20
Safety class (prepared)	I	I	I
Test voltage	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE	1700 Vdc Phase/Phase, 2700 Vdc Phase/PE
<b>Order numbers</b>			
<b>Order Number</b>	<b>HLE 810-230/30</b>	<b>HLE 810-230/42</b>	<b>HLE 810-230/55</b>



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Typ	Connections phase	Connections PE	Fixing method	Fixing screws	Weight	Dimension picture (in mm)	Dimension picture (in mm)							
							A	B	C	D	E	F	G	H
HLE 810-230/4	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	0.52 kg	1	160	38	75	-	19	136	150	5.5
HLE 810-230/8	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	0.58 kg	2	160	38	75	-	19	136	150	5.5
HLE 810-230/12	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	0.78 kg	3	190	38	75	-	19	166	180	5.5
HLE 810-230/16	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	0.78 kg	4	190	38	75	-	19	166	180	5.5
HLE 810-230/20	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	0.80 kg	4	190	38	75	-	19	166	180	5.5
HLE 810-230/25	Screw clamp, 10 mm <sup>2</sup>	Bolt, M6	Mounting lugs	M6	1.30 kg	5	230	50	95	25	12.5	200	215	5.5
HLE 810-230/30	Screw clamp, 10 mm <sup>2</sup>	Bolt, M6	Mounting lugs	M6	1.35 kg	6	230	50	95	25	12.5	200	215	5.5
HLE 810-230/42	Screw clamp, 10 mm <sup>2</sup>	Bolt, M6	Mounting lugs	M6	1.45 kg	6	230	50	95	25	12.5	200	215	5.5
HLE 810-230/55	Screw clamp, 16 mm <sup>2</sup>	Bolt, M6	Mounting lugs	M6	2.00 kg	5	225	85	95	60	12.5	230	210	5.5

Dimension pictures

