

Radio interference suppression filter, three-phase
HLD 103



General Data

Rated voltage 3 x 520 Vac
Voltage range 0 - 3 x 520 Vac
Rated current 3 x 400 - 3 x 1800 A
Leakage current 60.00 mA
Ambient temperature max. 50 °C
Degree of protection IP 00

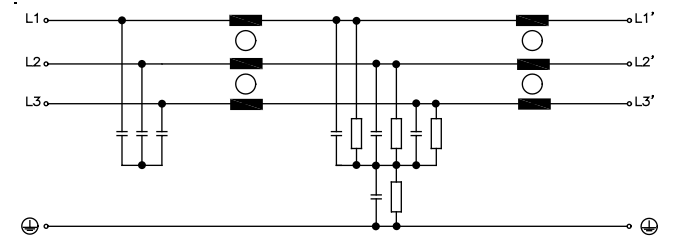
Advantages

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, frequency converters or as group interference suppression.

Sample application



Standards

Radio interference suppression filter to DIN EN 60939-2

Approvals **ERC**

1.1

1.2

1.3

2.1

2.2

3.1

3.2

3.3

4.0

5.1

5.2



Radio interference suppression filter, three-phase

HLD 103



Typ	HLD 103-500/270	HLD 103-500/400	HLD 103-500/750	HLD 103-500/1000	HLD 103-500/1800
Electrical data					
Operating data					
Rated voltage	3 x 520 Vac	3 x 520 Vac	3 x 520 Vac	3 x 520 Vac	3 x 520 Vac
Voltage range	0 - 520 Vac	0 - 520 Vac	0 - 520 Vac	0 - 520 Vac	0 - 520 Vac
Rated current	3 x 270 A	3 x 400 A	3 x 750 A	3 x 1000 A	3 x 1800 A
Leakage current (50 Hz)*	570.00 mA	570.00 mA	570.00 mA	570.00 mA	570.00 mA
Leakage current (50 Hz)**	60.00 mA	60.00 mA	60.00 mA	60.00 mA	60.00 mA
Rated frequency	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
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)
Ambient temperature max.	50 °C	50 °C	50 °C	50 °C	50 °C
Safety and protection					
Type	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure
Protection index	IP 00	IP 00	IP 00	IP 00	IP 00
Safety class (prepared)	I	I	I	I	I
Test voltage	2121 Vdc Phase/Phase, 2700 Vdc Phase/PE	2121 Vdc Phase/Phase, 2700 Vdc Phase/PE	2121 Vdc Phase/Phase, 2700 Vdc Phase/PE	2121 Vdc Phase/Phase, 2700 Vdc Phase/PE	2121 Vdc Phase/Phase, 2700 Vdc Phase/PE
Notes					
*	Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %				
**	Leakage current by loss of two phases				
Order numbers					
Order Number	HLD 103-500/270	HLD 103-500/400	HLD 103-500/750	HLD 103-500/1000	HLD 103-500/1800

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	I	J	K	L	M	
HLD 103-500/270	Flat copper, 20 x 5 mm	Bolt, M12	Mounting lugs	M8	12.60 kg	1	235	120	10	9	260	210	100	60	12	380	300	40	10	
HLD 103-500/400	Flat copper, 25 x 6 mm	Bolt, M12	Mounting lugs	M8	12.90 kg	2	235	120	10	9	260	210	100	60	12	380	300	40	12.5	
HLD 103-500/750	Flat copper, 30 x 10 mm	Bolt, M12	Mounting lugs	M8	15.80 kg	3	235	120	10	9	260	210	110	60	12	390	300	45	15	
HLD 103-500/1000	Flat copper, 40 x 8 mm	Bolt, M12	Mounting lugs	M8	0.00 kg	4	255	145	10	9	280	230	130	60	12	460	350	55	20	
HLD 103-500/1800	Flat copper, 60 x 12 mm	Bolt, M12	Mounting lugs	M8	0.00 kg	5	275	145	10	9	300	250	180	70	12	560	400	80	43	

Dimension pictures

