





General Data

Rated voltage 3 x 520 Vac

Voltage range 0 - 3 x 520 Vac

Rated current 3 x 8 - 3 x 250 A

Leakage current <0.4 mA Degree of protection IP 20

Advantages

For enhanced requirements

Low leakage current

Single-stage filter concept

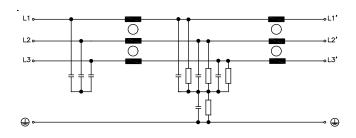
Efficient filter effect against line-bound interference emissions

Increase in the interference immunity of the connected consumer

Applications

 $\label{eq:reconstruction} \textbf{Radio interference suppression filter for line-side interference suppression of}$ single devices, frequency converters or as group interference suppression.

Sample application



Standards

Radio interference suppression filter complying with DIN EN 60939-2, UL 1283, CSA C22.2 No.8 $\,$

c**AN**us EH[**Approvals**

UL 1283 5th edition, CSA 22.2 No 8

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Тур	HLD 310-500/8	HLD 310-500/12	HLD 310-500/16	HLD 310-500/30	HLD 310-500/42	HLD 310-500/55			
pecial features									
Characteristics	Suitable for the medical Suitable for the medical Suitable field Suitable for the medical Suitable field Suitable for the medical Suitable for the		Suitable for the medical field						
Operating data									
Rated voltage	3 x 520 Vac	3 x 520 Vac	3 x 520 Vac	3 x 520 Vac	3 x 520 Vac	3 x 520 Vac			
Voltage range	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac			
Rated current	3 x 8 A	3 x 12 A	3 x 16 A	3 x 30 A	3 x 42 A	3 x 55 A			
Leakage current (50 Hz)* <0.40 mA		<0.40 mA	<0.40 mA	<0.40 mA	<0.40 mA	<0.40 mA <3.50 mA			
		<3.50 mA	<3.50 mA	<3.50 mA	<3.50 mA				
Power loss 6.0 W		9.0 W	12.0 W	15.0 W	22.0 W	30.0 W			
Overrating Capacity	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly			
Input									
Rated frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz			
Approvals									
Approvals	cURus, UL 1283 5th edition, CSA 22.2 No.8	3 5th edition, cURus, UL 1283 5th edition, cURus, UL 1283 5th edition, cURus, U CSA 22.2 No.8 CSA 22.2 No.8 CSA 22.2 No.8		cURus, UL 1283 5th edition, CSA 22.2 No.8	cURus, UL 1283 5th edition, CSA 22.2 No.8	cURus, UL 1283 5th edit CSA 22.2 No.8			
Environment									
Climatic category	[in accordance with		25/085/21 (in accordance with EN 60068-1)	25/085/21 (in accordance with EN 60068-11	25/085/21 lin accordance with EN 60068-11				
Ambient temperature max.	perature max. 50 °C		50 °C	50 °C	50 ℃	50 °C			
Safety and protection									
SCCR***	, ,		100 kA	100 kA	100 kA	100 kA			
Туре	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure			
Protection index			IP 20	IP 20	IP 20	IP 20			
Safety class (prepared)			1	I	I				
Test voltage			2150 Vdc Phase/Phase, 2700 Vdc Phase/PE						
Notes									
*	against the maximum against the maximum a permissible input voltage permissible input voltage p fluctuation in accordance fluctuation in accordance f		Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %	Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %	Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %	Leakage current measur against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %			
**			Leakage current by loss of two phases	Leakage current by loss of two phases	Leakage current by loss of two phases	Leakage current by loss two phases			
***	with corresponding preliminary fuse preliminary fuse		with corresponding preliminary fuse						
Order numbers									
Order Number	HLD 310-500/8	HLD 310-500/12	HLD 310-500/16	HLD 310-500/30	HLD 310-500/42	HLD 310-500/55			







Тур	HLD 310-500/75 HLD 310		HLD 310-500/130	HLD 310-500/180	HLD 310-500/250			
Special features								
Characteristics	Suitable for the medical field Suitable for the med		Suitable for the medical field	Suitable for the medical field	Suitable for the medical field			
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 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac	0 - 3 x 520 Vac 3 x 250 A <0.40 mA			
Rated current	3 x 75 A	3 x 100 A	3 x 130 A	3 x 180 A				
Leakage current (50 Hz)*	<0.40 mA	<0.40 mA	<0.40 mA	<0.40 mA				
Leakage current (50 Hz)**	<3.50 mA	<3.50 mA	<3.50 mA	<3.50 mA	<3.50 mA			
Power loss	35.0 W	60.0 W	90.0 W	150.0 W	180.0 W			
Overrating Capacity	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly	150 %, shortly			
Input								
Rated frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz			
Approvals								
Approvals	cURus, UL 1283 5th edition, CSA 22.2 No.8	cURus, UL 1283 5th edition, CSA 22.2 No.8	cURus, UL 1283 5th edition, CSA 22.2 No.8	cURus, UL 1283 5th edition, CSA 22.2 No.8	cURus, UL 1283 5th edition, CSA 22.2 No.8			
Environment								
Climatic category	25/085/21 (in accordance with EN 60068-1)	25/085/21 [in accordance with EN 60068-1]	25/085/21 lin accordance with EN 60068-11	25/085/21 lin accordance with EN 60068-11	25/085/21 fin accordance with EN 60068-11			
Ambient temperature max.	50 °C	50 °C	50 °C	50 °C	50 °C			
Safety and protection								
SCCR***	100 kA	100 kA	100 kA	100 kA	100 kA Metal enclosure IP 20			
Туре	Metal enclosure	Metal enclosure	Metal enclosure	Metal enclosure				
Protection index	IP 20	IP 20	IP 20	IP 20				
Safety class (prepared)	1			I	I			
Test voltage 2150 Vdc Phase/Phase, 2700 Vdc Phase/PE		2150 Vdc Phase/Phase, 2700 Vdc Phase/PE	2150 Vdc Phase/Phase, 2700 Vdc Phase/PE	2150 Vdc Phase/Phase, 2700 Vdc Phase/PE	2150 Vdc Phase/Phase, 2700 Vdc Phase/PE			
Notes								
*	against the maximum against the maximum agains permissible input voltage permissible input voltage permis fluctuation in accordance fluctuation in accordance flucture		Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %	Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %	d Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 %			
**	Leakage current by loss of two phases	Leakage current by loss of two phases	Leakage current by loss of two phases	Leakage current by loss of two phases	Leakage current by loss of two phases			
***	with corresponding with corresponding preliminary fuse preliminary fuse		with corresponding preliminary fuse	with corresponding preliminary fuse	with corresponding preliminary fuse			
Order numbers								
Order Number	HLD 310-500/75	HLD 310-500/100	HLD 310-500/130	HLD 310-500/180	HLD 310-500/250			

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Mechanical data 30	d.	Connections phase	Connections PE	ng method	Fixing screws	Weight	Dimension picture (in mm)						
90	Тур	Cor	- G	Fixing	Ě	We	븝	Α	В	С	D	Е	F
Š	HLD 310-500/8	Screw clamp, 4 mm ²	Bolt, M5	Mounting lugs	M5	0.78 kg	0	190	45	75	20	180	166
	HLD 310-500/12	Screw clamp, 4 mm ²	Bolt, M5	Mounting lugs	M5	1.20 kg	0	220	45	75	20	210	190
	HLD 310-500/16	Screw clamp, 4 mm ²	Bolt, M5	Mounting lugs	M5	1.20 kg	0	250	45	75	20	240	220
	HLD 310-500/30	Screw clamp, 10 mm ²	Bolt, M5	Mounting lugs	M5	1.80 kg	0	270	55	95	30	255	240
	HLD 310-500/42	Screw clamp, 10 mm ²	Bolt, M6	Mounting lugs	M5	2.10 kg	0	310	55	95	30	295	280
	HLD 310-500/55	Screw clamp, 16 mm ²	Bolt, M6	Mounting lugs	M5	2.50 kg	0	250	85	95	60	235	255
	HLD 310-500/75	Screw clamp, 35 mm ²	Bolt, M8	Mounting lugs	M6	4.50 kg	0	270	85	135	60	255	310
	HLD 310-500/100	Screw clamp, 50 mm ²	Bolt, M10	Mounting lugs	M6	5.20 kg	9	270	95	150	65	255	325
	HLD 310-500/130	Screw clamp, 50 mm ²	Bolt, M10	Mounting lugs	M6	5.60 kg	0	270	95	150	65	255	325
	HLD 310-500/180	Screw clamp, 95 mm²	Bolt, M10	Mounting lugs	M6	9.20 kg	0	380	130	181	102	365	440
	HLD 310-500/250	Screw clamp, 150 mm ²	Bolt, M10	Mounting lugs	M6	12.20 kg	0	450	155	220	125	435	525

Dimension pictures

