# BLOCK

# Radio interference suppression filter, threephase, low leakage current **HLD 710**



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#### General Data

	1 0
Rated voltage 3 x 520 Vac	1.2
Voltage range 0 - 3 x 520 Vac	
Rated current 3 x 8 - 3 x 250 A	
Leakage current 6.00 - 7.00 mA	
Ambient temperature max. 50 °C	1 0
Degree of protection IP 20	1.3

# Advantages

For enhanced requirements
Reduced leakage current
Single-stage filter concept
Efficient filter effect against line-bound interference emissions
Increase in the interference immunity of the connected consumer

# Applications

Approvals

UL 1283 5th edition, CSA 22.2 No 8

Radio interference suppression filter for line-side interference suppression of single devices, frequency converters or as group interference suppression.

# Sample application



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# Standards

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



### Radio interference suppression filter, threephase, low leakage current **HLD 710**



5  -	Тур	HLD 710-500/8	HLD 710-500/12	HLD 710-500/16	HLD 710-500/30	HLD 710-500/42	HLD 710-500/55
	Operating data						
	Rated voltage	3 x 520 Vac					
	Voltage range	0 - 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)*	6.00 mA	6.00 mA	6.00 mA	6.50 mA	6.50 mA	6.50 mA
	Leakage current (50 Hz)**	60.00 mA	60.00 mA	60.00 mA	63.00 mA	63.00 mA	63.00 mA
	Rated frequency	50 - 60 Hz	) - 60 Hz 50 - 60 Hz 50 - 60 Hz 50		50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
	Power loss	6.0 W	9.0 W	12.0 W	15.0 W	22.0 W	30.0 W
	Overrating Capacity	150 %, shortly					
	Approvals						
	Approvals	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 Lin accordance with EN 60068-11	25/085/21 25/085/21 e with [in accordance with [in accordance EN 60068-1] EN 60068-1]		25/085/21 Lin accordance with EN 60068-11	25/085/21 Lin accordance with EN 60068-11
	Ambient temperature max.	50 °C					
	Safety and protection						
	SCCR***	100 kA					
	Туре	Metal enclosure					
	Protection index	IP 20					
1	Safety class (prepared)	1	I	I	I	I	T
			2150 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 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 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 by loss of two phases	Leakage current by loss of two phases				
	***	with corresponding preliminary fuse	with corresponding preliminary fuse	with corresponding preliminary fuse			with corresponding preliminary fuse
	Order numbers						
ĺ	Drder Number	HLD 710-500/8	HLD 710-500/12	HLD 710-500/16	HLD 710-500/30	HLD 710-500/42	HLD 710-500/55





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#### Radio interference suppression filter, threephase, low leakage current **HLD 710**



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Mechanical data	Тур	Connections phase	Connections PE	Fixing method	Fixing screws	Weight	Dimension picture (in mm)	А	В	C	D	E	F
ž	HLD 710-500/8	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	0.78 kg	0	190	45	75	20	180	166
	HLD 710-500/12	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	1.00 kg	0	220	45	75	20	210	190
	HLD 710-500/16	Screw clamp, 4 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	1.20 kg	0	250	45	75	20	240	220
	HLD 710-500/30	Screw clamp, 10 mm <sup>2</sup>	Bolt, M5	Mounting lugs	M5	1.80 kg	0	270	55	95	30	255	240
	HLD 710-500/42	Screw clamp, 10 mm <sup>2</sup>	Bolt, M6	Mounting lugs	M5	2.10 kg	0	310	55	95	30	295	280
	HLD 710-500/55	Screw clamp, 16 mm <sup>2</sup>	Bolt, M6	Mounting lugs	M5	2.50 kg	0	250	85	95	60	235	255
	HLD 710-500/75	Screw clamp, 35 mm <sup>2</sup>	Bolt, M8	Mounting lugs	M6	4.50 kg	0	270	85	135	60	255	310
	HLD 710-500/100	Screw clamp, 50 mm <sup>2</sup>	Bolt, M10	Mounting lugs	M6	5.20 kg	0	270	95	150	65	255	325
	HLD 710-500/130	Screw clamp, 50 mm <sup>2</sup>	Bolt, M10	Mounting lugs	M6	5.60 kg	0	270	95	150	65	255	325
	HLD 710-500/180	Screw clamp, 95 mm <sup>2</sup>	Bolt, M10	Mounting lugs	M6	9.20 kg	0	380	130	181	102	365	440
	HLD 710-500/250	Screw clamp, 150 mm <sup>2</sup>	Bolt, M12	Mounting lugs	M6	12.20 kg	0	450	155	220	125	435	525

# **Dimension pictures**

