

Overview

Compact, slim, general performance 3-phase filter for motor drives, servo drives, robotics, regenerative drives, battery chargers, inverters, converters, power drives, UPS, machine tools and other industrial applications. Terminal blocks for quick installation.

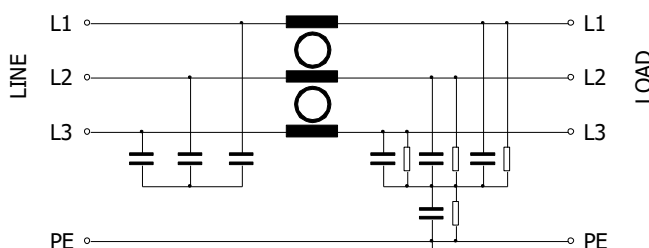


RoHS
Compliant

Technical specifications

Rated voltage	530/305 VAC
Rated frequency	50-60 Hz
Rated current	7 – 180 A
Rated temperature	50°C
Temperature range	-25°C to +100°C
Climate category	25/100/21
Voltage test	P -> P 2250 VDC P -> E 3000 VDC

Typical electrical schematic



Part Number	Rated current @ 50°C (A)	Power loss @ 25°C/50Hz (W)	Leakage current ¹⁾ (mA)	Approx. weight (kg)
FLLD3007AMHT3	7	4	3.1	0.5
FLLD3016AMHT3	16	6	3.1	0.7
FLLD3030AMHT3	30	12	4.7	1.1
FLLD3042AMHT3	42	15	4.7	1.4
FLLD3055AMHT5	55	20	4.7	2.0
FLLD3075AMHT5	75	30	4.7	3.2
FLLD3100AMHT6	100	32	4.7	4.5
FLLD3130AMHT6	130	40	4.7	4.5
FLLD3180AMHT7	180	45	4.7	5.1

¹⁾ Calculated according to IEC60939. During fail conditions the current may be higher.

Approvals

IEC/EN 60939-3

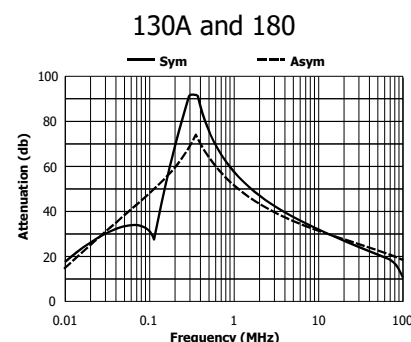
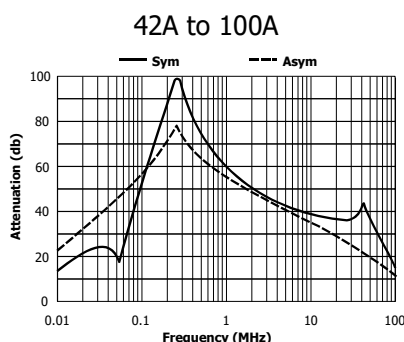
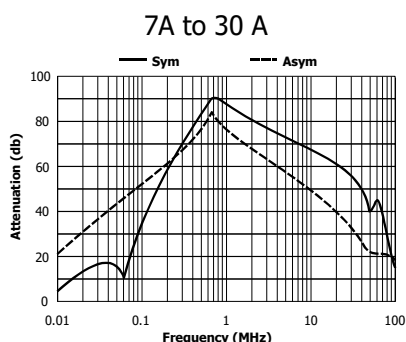
ANSI/UL 60939-3-2016

Certification Body : DEMKO

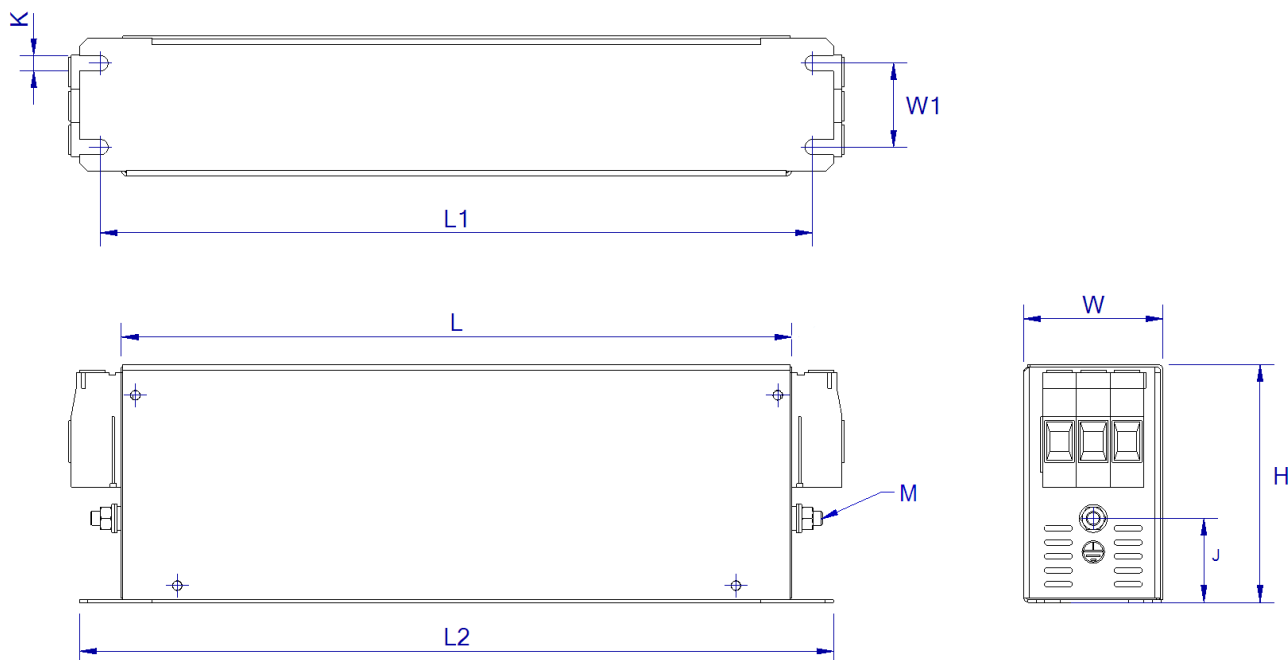
Certification Body : UL

File : E490803

Typical insertion loss



Mechanical dimensions



Part Number	Dimensions in mm								
	L	L1	L2	W	W1	H	J	K	M
FLLD3007AMHT3	160	180	190	40	20	70	22	4.5	M5
FLLD3016AMHT3	220	235	250	45	25	70	22	5.5	M5
FLLD3030AMHT3	240	255	270	50	30	85	30	5.5	M5
FLLD3042AMHT3	280	295	310	50	30	85	30	5.5	M6
FLLD3055AMHT5	220	235	250	85	60	90	26	5.5	M6
FLLD3075AMHT5	240	255	270	80	60	135	70	6.5	M6
FLLD3100AMHT6	240	255	270	90	65	150	64	6.5	M10
FLLD3130AMHT6	240	255	270	90	65	150	64	6.5	M10
FLLD3180AMHT7	350	365	380	120	102	170	47	6.5	M10

Terminal block	
Wire (mm ²)	Torque (Nm)
1 - 10	1.2 – 1.5
1 - 10	1.2 – 1.5
1 - 10	1.2 – 1.5
1 - 10	1.2 – 1.5
10 - 25	3 - 4
10 - 25	3 - 4
16 - 50	6 - 8
16 - 50	6 - 8
35 - 95	15 - 20

Tolerances, if not stated, according to ISO 2768-c.

Legal disclaimer notice

All product specifications, statements, information and data (collectively, the "information") are subject to change without notice.

All information given herein is believed to be accurate and reliable, but is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use.

This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their applications. Any technical advice inferred from this information or otherwise provided by us with reference to the use of our

products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Although we design and manufacture our products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.