EMI Filters

FLLD4 – TH, 530/305 VAC, 8 – 200 A High Performance Chassis Mount Three-Phase and Neutral Filters

Overview

These are compact, general purpose, three-phase + N filters, with terminal blocks for quick installation in industrial equipment. They are optimized in geometry, with high insertion loss characteristics.

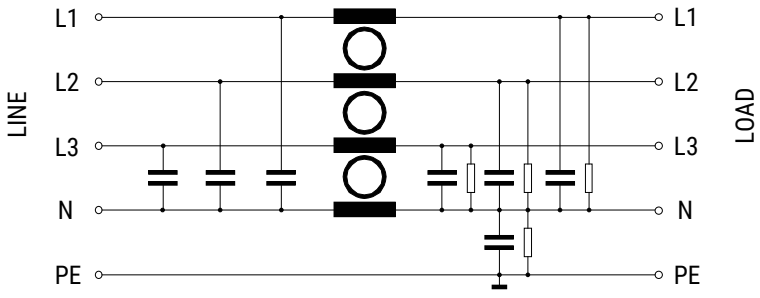
Applications

Typical applications include switch-mode power supplies, servo drives, robotics, regenerative drives, battery chargers, inverters, converters, power drives, UPS machines, process automation and other industrial applications.

Technical Specifications

Item	Parameters/ Characteristics
Rated Voltage	530/305 VAC
Rated Frequency	50 – 60 Hz
Rated Current	8 – 200 A
Rated Temperature	50°C
Temperature Range	–25°C to 100°C
Climate Category	25/100/21
Voltage Test	P ⟶ P 2,250 VDC P ⟶ E 3,000 VDC

Typical Electrical Schematic



Technical Specifications cont.

Part Number	Rated Current at 50°C (A)	Power Loss at 25°C/50 Hz (W)	Leakage Current[1] (mA)	Approximate Weight (kg)
FLLD4008ATHT3	8	3	11	0.8
FLLD4016ATHT3	16	6	11	0.8
FLLD4025ATHT3	25	12	11	1.2
FLLD4036ATHT3	36	15	11	1.2
FLLD4064ATHT5	64	18	11	2.3
FLLD4080ATHT6	80	20	11	4.0
FLLD4120ATHT6	120	30	11	5.3
FLLD4160ATHT7	160	32	11	6.1
FLLD4200ATHT7	200	45	11	6.1

[1] *Calculated according to IEC 60939. During fail conditions the current may be higher.*

Approvals

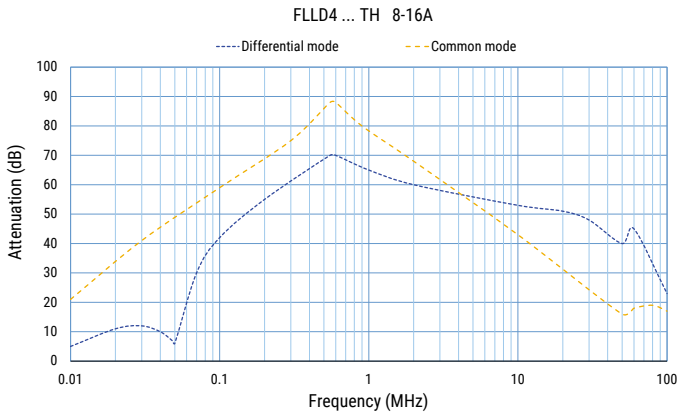
Standard	Certification Body	File Number	Mark
IEC/EN 60939–3	UL-Demko		
ANSI/UL 60939–3–2016	UL	E490803	

Environmental Compliance

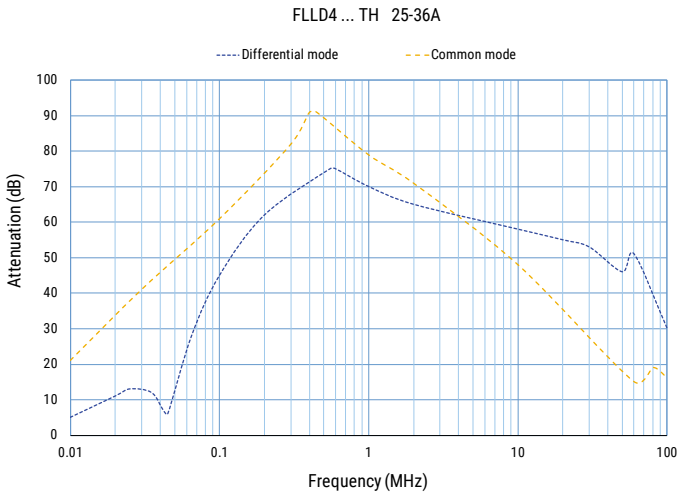
KEMET EMI filters are RoHS Compliant.

Typical Insertion Loss

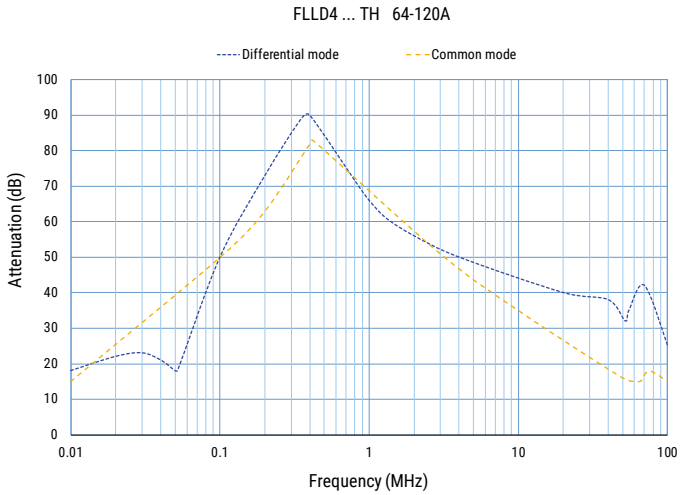
8 to 16 A



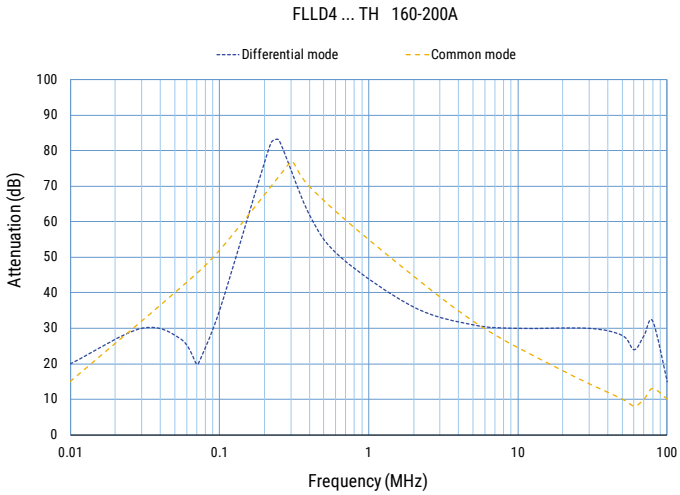
25 to 36 A



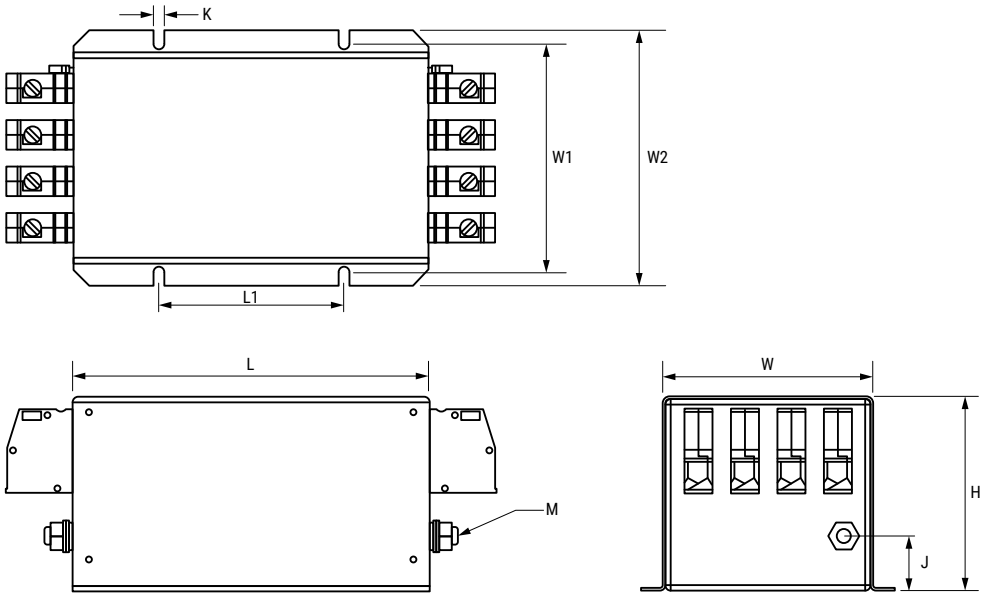
64 to 120 A



160 to 200 A



Mechanical Dimensions – Millimeters



Part Number	Dimensions										Terminal Block	
	L	L1	W	W1	W2	H	J	K	M		Wire (mm^2)	Torque (Nm)
FLLD4008ATHT3	120	80	115	127.5	143	80	32	6.5	M6		1 – 10	1.2 – 1.5
FLLD4016ATHT3	120	80	115	127.5	143	80	32	6.5	M6		1 – 10	1.2 – 1.5
FLLD4025ATHT3	130	90	125	137.5	153	115	32	6.5	M6		1 – 10	1.2 – 1.5
FLLD4036ATHT3	130	90	125	137.5	153	115	32	6.5	M6		1 – 10	1.2 – 1.5
FLLD4064ATHT5	160	100	125	137.5	153	125	35	6.5	M10		10 – 25	3 – 4
FLLD4080ATHT6	230	120	135	147.5	165	125	35	6.5	M10		16 – 50	6 – 8
FLLD4120ATHT6	250	200	140	153.5	170	140	55	6.5	M10		16 – 50	6 – 8
FLLD4160ATHT7	280	230	140	153.5	170	170	50	6.5	M10		35 – 95	15 – 20
FLLD4200ATHT7	280	230	140	153.5	170	170	50	6.5	M10		35 – 95	15 – 20

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

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