

Overview

These single phase filters combine high values of inductance and capacitance, maximising attenuation characteristics in the lower frequencies for both common mode and differential mode performance. The relatively small package size of these products makes them suitable for a wide range of motor drive applications within the industrial environment.

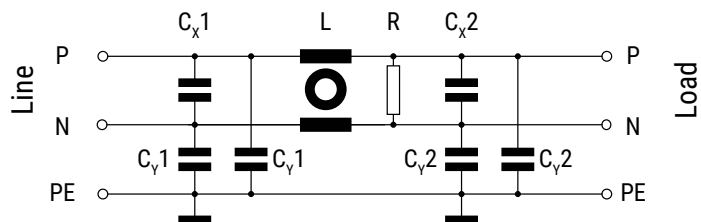
- Current ratings from 8A to 63A
- High attenuation performance
- Optional termination styles
- Compact range of enclosures.



Technical Specifications

Item	Parameters/ Characteristics
Rated Voltage	300 VAC 480 VDC
Rated Frequency	50 – 60 Hz
Rated Current	8 – 63 A
Rated Temperature	40°C
Temperature range	-25°C to 100°C
Climate Category	25/100/21
Voltage test	P → P 1,300 VDC P → E 2,250 VDC

Typical Electrical Schematic



Part Number	Rated Current at 40°C (A)	C _{x1} (μF)	C _{y1} (nF)	L (mH)	R (MΩ)	C _{x2} (μF)	C _{y2} (nF)
FLLE2008AANT3	8	2.2	10	10	0.22	0.68	47
FLLE2012AANT3	12	2.2	10	7.5	0.22	1	47
FLLE2016AANT3	16	2.2	10	5	0.22	1	47
FLLE2020AANT3	20	2.2	10	3.2	0.22	1	47
FLLE2030AANT3	30	2.2	15	1.3	0.22	1	47
FLLE2036AANT3	36	2.2	15	1.3	0.22	1	47
FLLE2055AANT4	55	4.4	33	1	0.22	1	94
FLLE2063AANT4	63	4.4	33	1	0.22	1	94

Approvals

The FLLE2 – AN is designed according to IEC/EN/UL 60939.

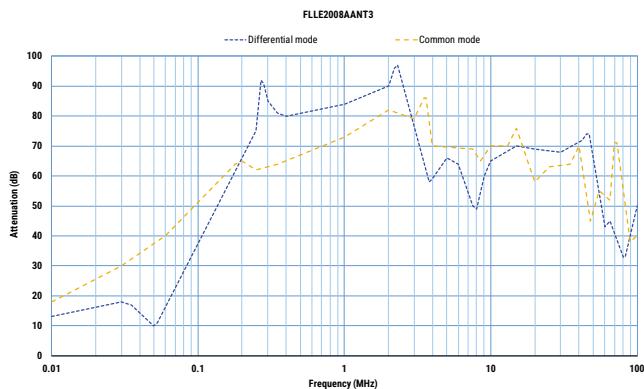
Environmental Compliance

KEMET EMI filters are RoHS Compliant.

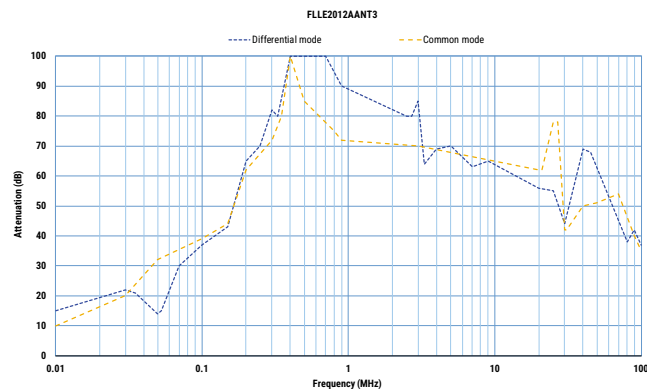


Typical Insertion Loss

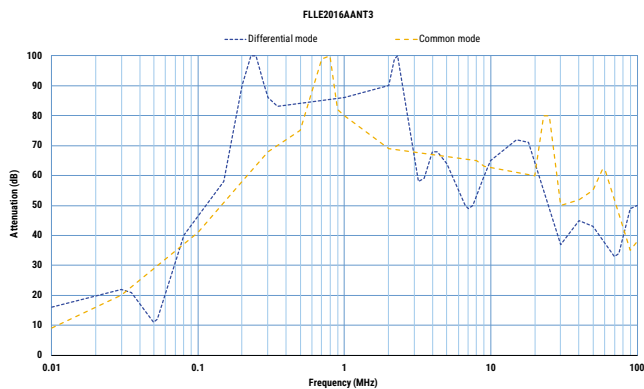
8A



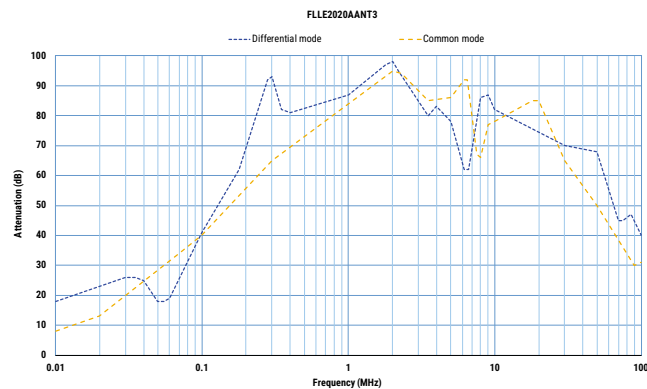
12A



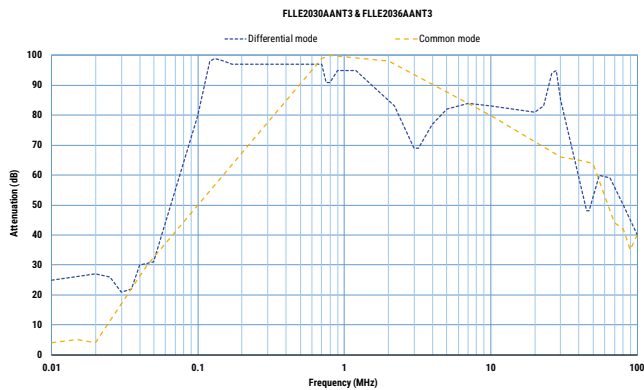
16A



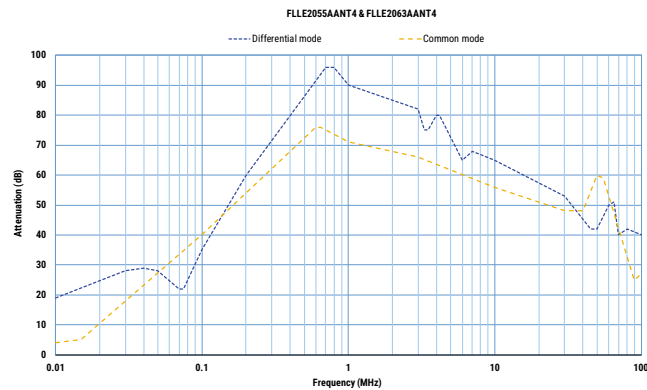
20A



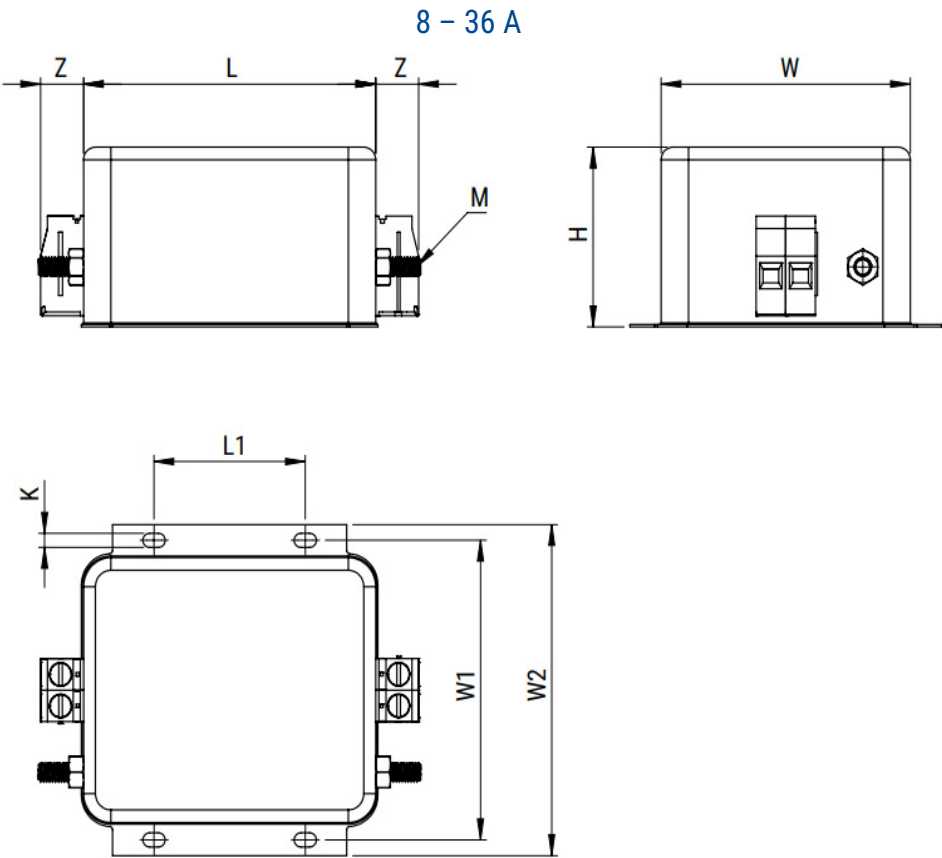
30 & 36A



55 & 63A

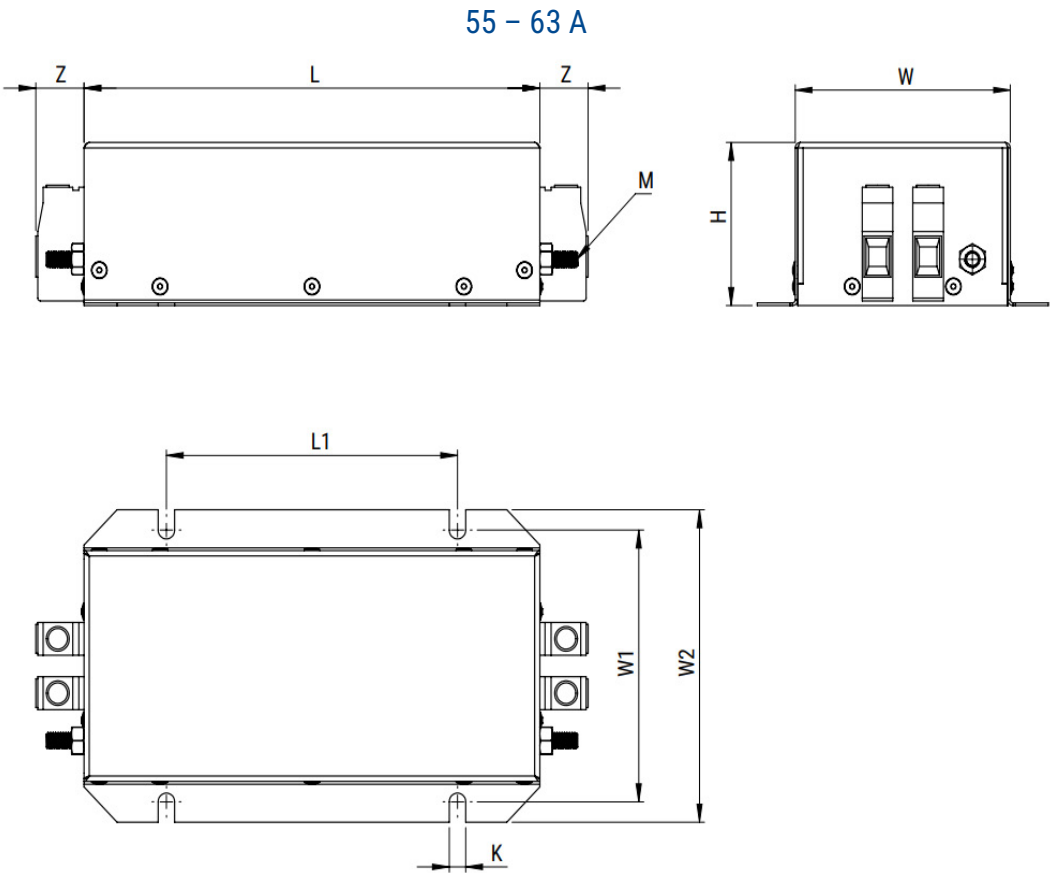


Mechanical Dimensions – Millimeters



Part Number	Dimensions in mm									Terminal block	
	L	L1	W	W1	W2	H	Z	K	M	Wire	Torque
										(mm ²)	(Nm)
FLLE2008AANT3	99	51	85	95	105	57	15	4.5	M6	1 - 10	1.2 - 1.5
FLLE2012AANT3	99	51	85	95	105	57	15	4.5	M6	1 - 10	1.2 - 1.5
FLLE2016AANT3	99	51	85	95	105	57	15	4.5	M6	1 - 10	1.2 - 1.5
FLLE2020AANT3	99	51	85	95	105	57	15	4.5	M6	1 - 10	1.2 - 1.5
FLLE2030AANT3	99	51	85	95	105	57	15	4.5	M6	1 - 10	1.2 - 1.5
FLLE2036AANT3	99	51	85	95	105	57	15	4.5	M6	1 - 10	1.2 - 1.5

Mechanical Dimensions – Millimeters cont.



Part Number	Dimensions in mm									Terminal block	
	L	L1	W	W1	W2	H	Z	K	M	Wire	Torque
										(mm²)	(Nm)
FLLE2055AANT4	180	115	85	100	115	60	19	6.5	M6	2.5 - 16	2.0 - 2.2
FLLE2063AANT4	180	115	85	100	115	60	19	6.5	M6	2.5 - 16	2.0 - 2.2

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