

Overview

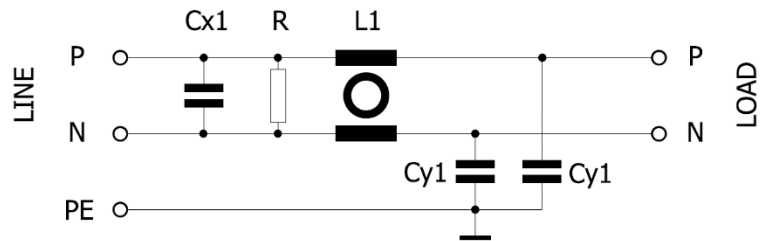
General purpose, single phase filter series with medium attenuation. Chassis mount for fast mounting, metal case filled with self-extinguishing resin. Fast-on or screw terminals available and options with flexible wire connections. Medical versions available without y-capacitors for no leakage current.

**RoHS
Compliant**

Technical specifications

Item	Parameters/ Characteristics
Rated Voltage	300 VAC/VDC
Rated Frequency	50 - 60 Hz
Rated Current	1 - 32 A
Rated Temperature	40°C
Temperature range	-25°C to 100°C
Climate Category	25/100/21
Voltage Test	P -> N 1300 VDC P/N -> E 2250 VDC

Typical electrical schematics



Components

Part Number	Rated Current @ 40°C (A)	Leakage Current *) (mA)	C _{x1} (µF)	R (MΩ)	L1 (mH)	C _{y1} (nF)
FLLE2001AP(1)(2)	1	0.37	0.1	1	12	4.7
FLLE2003AP(1)(2)	3	0.37	0.1	1	2.5	4.7
FLLE2006AP(1)(2)	6	0.37	0.1	1	1	4.7
FLLE2010AP(1)(2)	10	0.37	0.1	1	1	4.7
FLLE2013AP(1)(2)	13	0.37	0.1	1	0.8	4.7
FLLE2016AP(1)(2)	16	0.37	0.1	1	0.8	4.7
FLLE2020AP(1)(2)	20	0.37	0.1	1	0.8	4.7
FLLE2025AP(1)(2)	25	0.37	0.1	1	0.8	4.7
FLLE2032AP(1)(2)	32	0.79	0.47	0.33	0.8	10

(1) D = Standard, M = Medical

(2) B = Fast-on (1-16A), I = Threaded (20-32A), D = Wire (1-32A)

*) Leakage current @250 VAC/ 50 Hz acc. to IEC60939-3. Medical version without C_y-capacitors, no leakage current.

Approvals

Standard

IEC/EN 60939-3
 ANSI/UL 60939-3-2016

Certification Body

UL-Demko
 UL

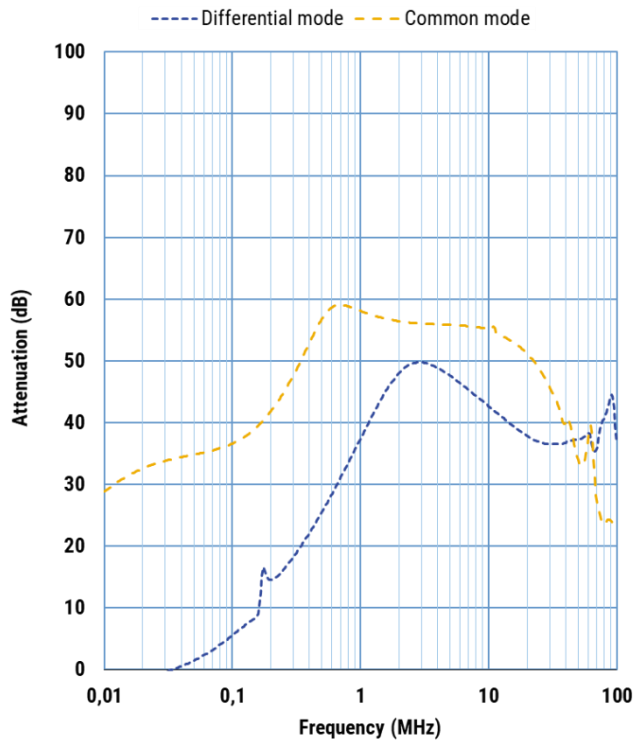
File

Pending
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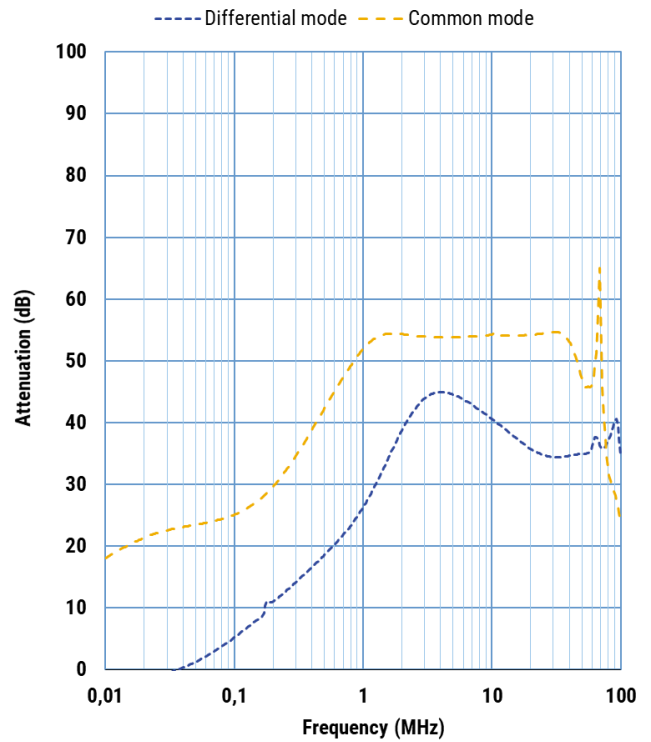


Typical insertion loss

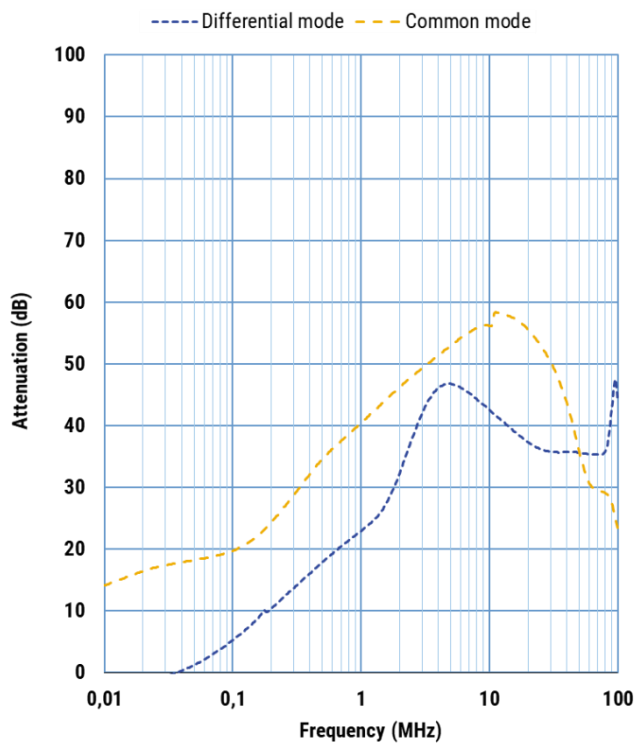
FLLE2001APDB



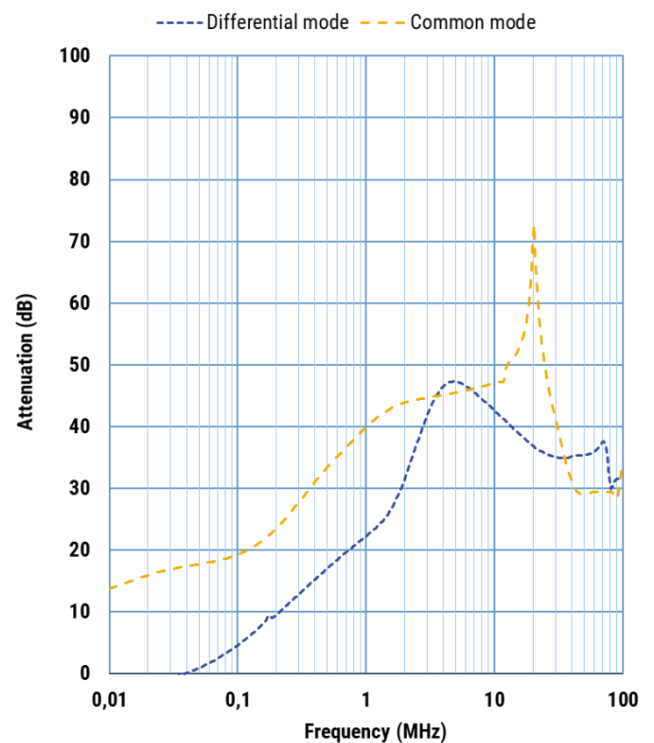
FLLE2003APDB



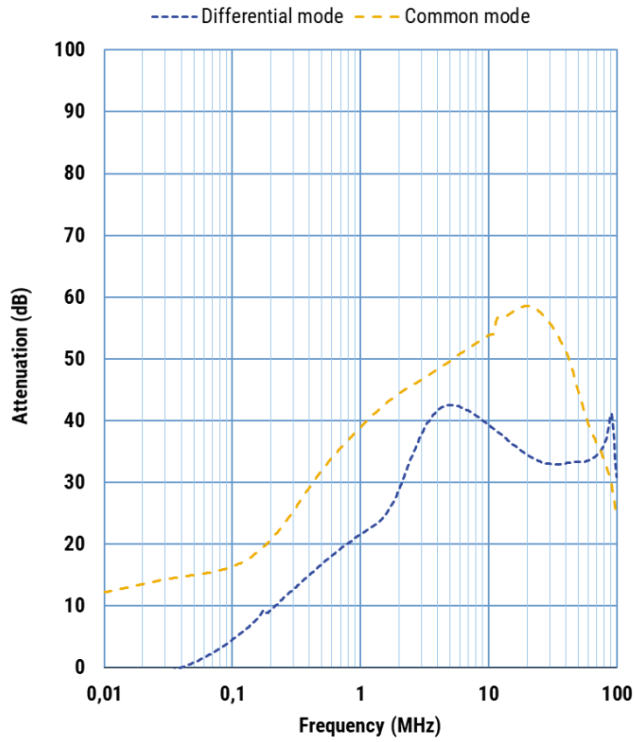
FLLE2006APDB



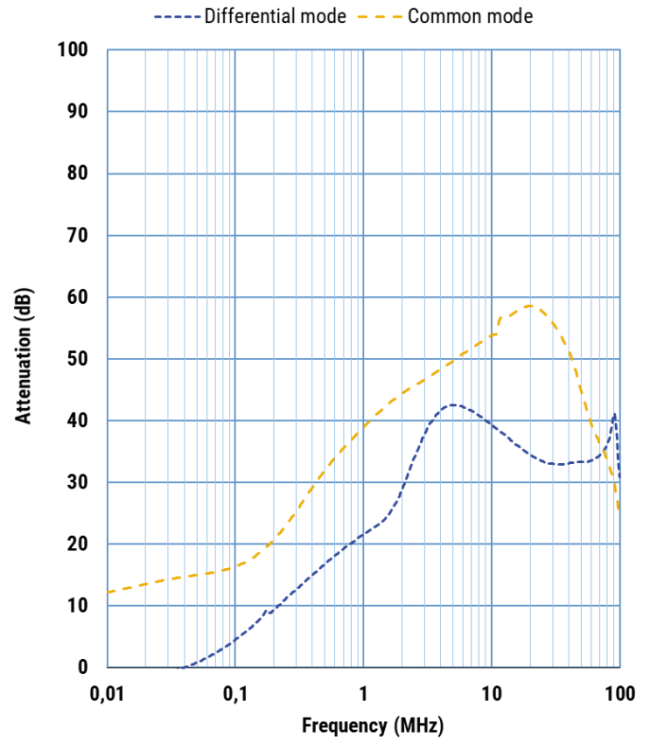
FLLE2010APDB



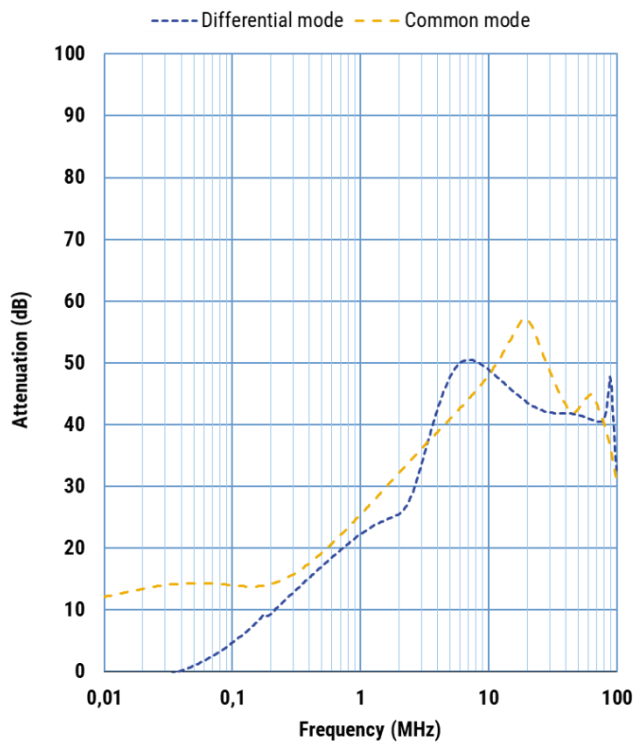
FLLE2013APDB



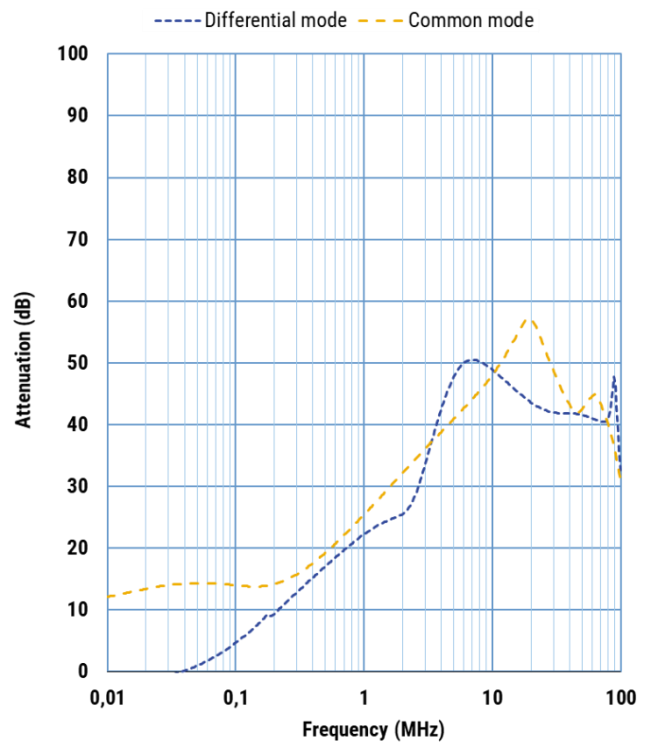
FLLE2016APDB



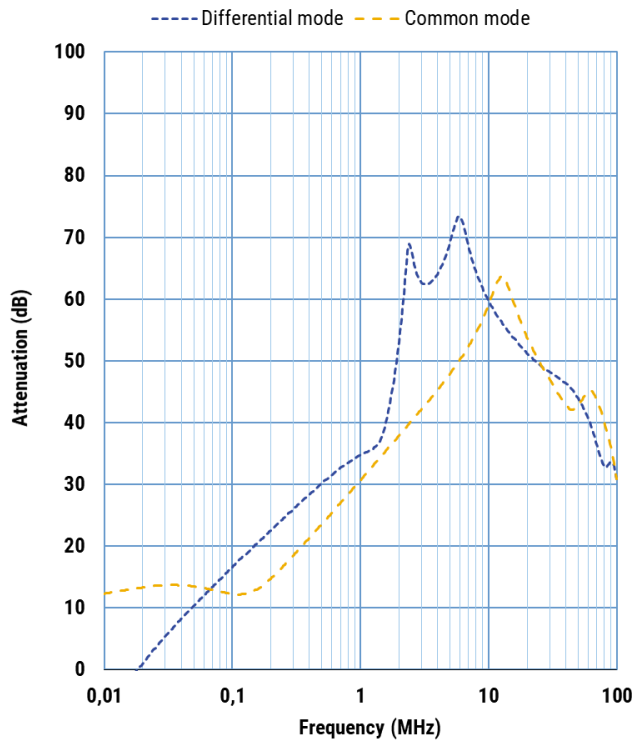
FLLE2020APDI



FLLE2025APDI



FLLE2032APDI



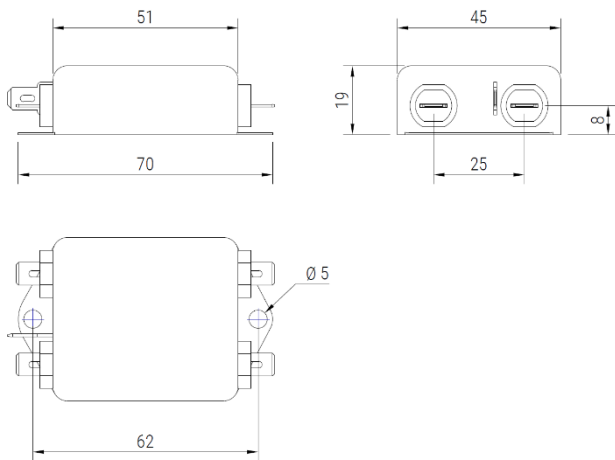
Mechanical dimensions

Part Number	L (mm)	W (mm)	H (mm)	Weight (g)	Fast-on Terminal	Threaded Terminal	Flexible Wire (mm ²)
FLLE2001AP(1)(2)	51	45	19	85	6.3 x 0.8		0.75
FLLE2003AP(1)(2)	51	45	19	85	6.3 x 0.8		0.75
FLLE2006AP(1)(2)	51	45	19	95	6.3 x 0.8		1.5
FLLE2010AP(1)(2)	51	45	19	100	6.3 x 0.8		1.5
FLLE2013AP(1)(2)	51	45	28	140	6.3 x 0.8		1.5
FLLE2016AP(1)(2)	51	45	28	140	6.3 x 0.8		2.5
FLLE2020AP(1)(2)	65	50	40	290		M4 x 0.7	2.5
FLLE2025AP(1)(2)	65	50	40	290		M4 x 0.7	2.5
FLLE2032AP(1)(2)	91	51	45	415		M4 x 0.7	4

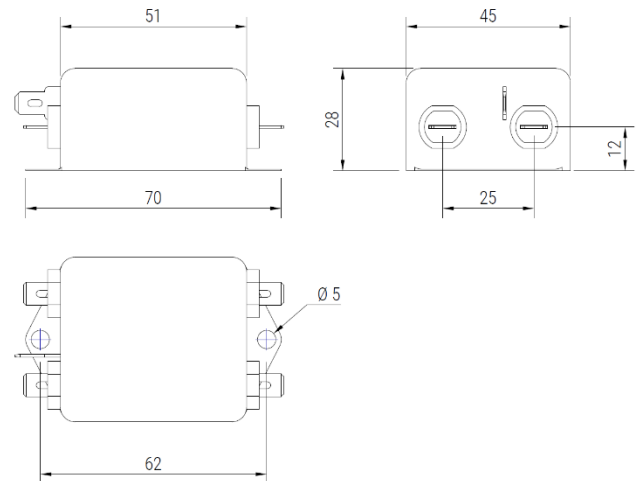
(1) D = Standard, M = Medical

(2) B = Fast-on, I = Threaded, D = Wire (Length = 140±5 mm)

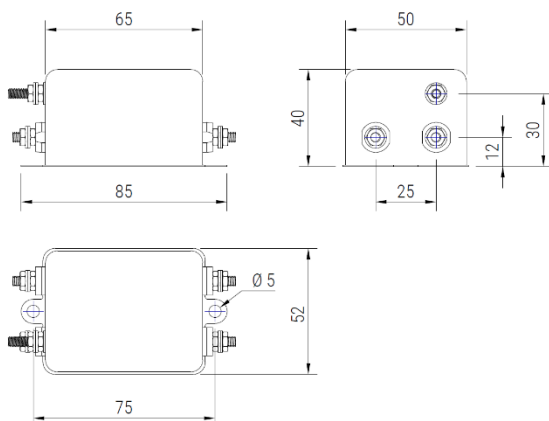
1A, 3A, 6A and 10A



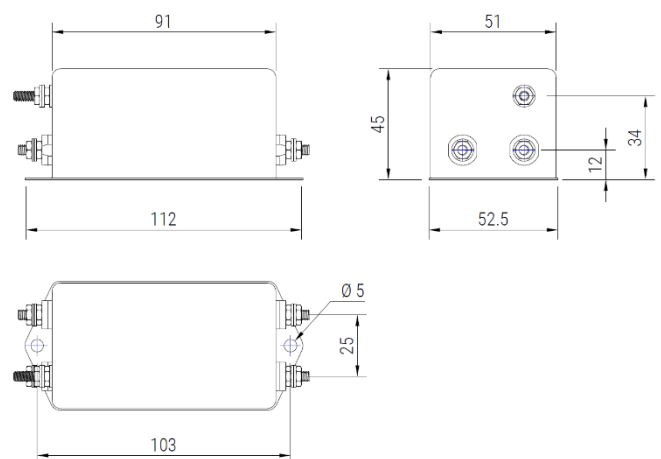
13A and 16A



20A and 25A



32A



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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.