

Overview

The three phase filter series is intended to be used in energy conversion inverter systems (e.g. photo voltaic and wind power), between the inverter and the line or in motor drive systems. The filters are optimized for geometry and power loss.

As the Capacitance Company, KEMET is only using high quality capacitors in its filter series.

Technical specifications

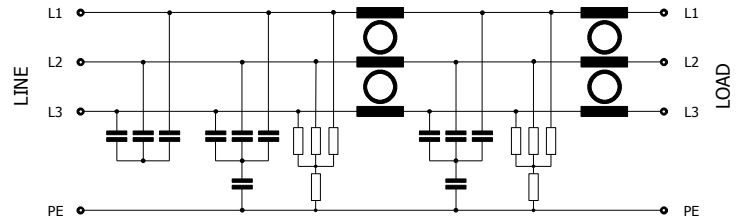
Rated voltage	520 VAC
Rated current	150 – 2500 A
Leakage current	< 5 mA *)
Rated temperature	50°C
Temperature range	-40°C to +100°C
Climate category	40/100/21
Voltage test	P -> P 2250 VDC P -> E 3000 VDC

The FLLE2...PV-series is designed according to IEC/EN 60939 and UL 1283.

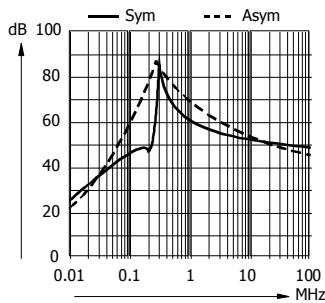
*) Maximum leakage current under normal operating conditions.
 If two phases are interrupted, leakage current can be much higher.



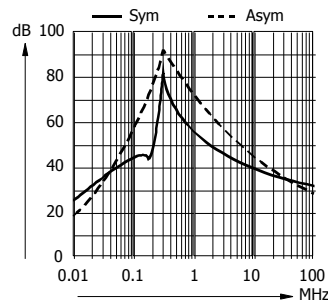
Filter	Rated current @ 50°C (A)	Power loss @ 25°C/DC (W)	Weight (kg)
FLLD3150APVI2	150	25	6
FLLD3180APVI2	180	35	6
FLLD3250APVI2	250	45	7
FLLD3320APVI1	320	15	10
FLLD3400APVI1	400	25	10
FLLD3600APVI1	600	40	11
FLLD3800APVI1	800	50	17
FLLD31K0APV1	1000	75	17
FLLD31K6APVI1	1600	130	26
FLLD32K5APVI1	2500	250	55



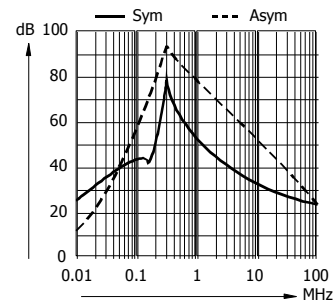
Typical insertion loss



150 to 250 A



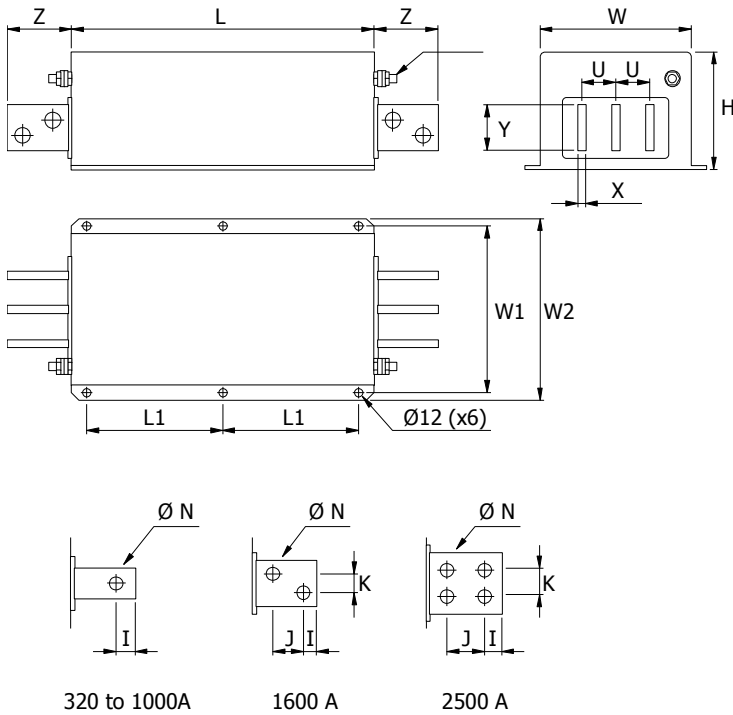
320 to 1000 A



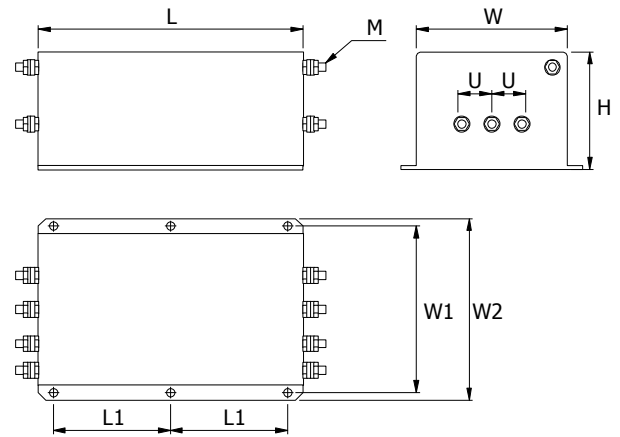
1600 and 2500 A

Mechanical dimensions

FLLD3 ... PVI1 Busbar connections



FLLD3 ... PVI2 Threaded terminals



Filter	Dimensions in mm														
	L	W	H	L1	W1	W2	U	X	Y	Z	I	J	K	N	M
FLLD3150APVI2	300	160	120	120	185	210	50								M10
FLLD3180APVI2	300	160	120	120	185	210	50								M10
FLLD3250APVI2	300	180	125	120	205	230	55								M12
FLLD3320APVI1	300	210	115	120	235	260	60	6	25	45	15			10.5	M12
FLLD3400APVI1	300	210	115	120	235	206	60	6	25	45	15			10.5	M12
FLLD3600APVI1	300	210	135	120	235	260	60	8	25	45	15			10.5	M12
FLLD3800APVI1	350	230	170	145	255	280	60	8	40	55	20			14	M12
FLLD31K0APVI1	350	230	170	145	255	280	60	8	40	55	20			14	M12
FLLD31K6APVI1	400	250	170	170	275	300	60	10	60	95	17	26	26	14	M12
FLLD32K5APVI1	600	300	200	250	330	370	100	15	100	100	20	35	35	14	M16

Legal disclaimer notice

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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.