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.

Technical specifications

Rated voltage	520 VAC
Rated frequency	50-60 Hz
Rated current	250 – 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 (520 VAC)
	P -> E 3000 VDC (520 VAC)

The FLLD3…PV series is designed according to IEC/EN 60939 and UL 1283.

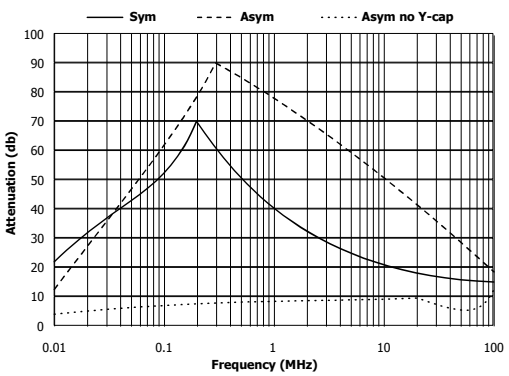
*) Maximum leakage current under normal operating conditions.
If two phases are interrupted, leakage current can be much higher.
Filters without Y-capacitors have no leakage current.

Part Number	Rated current @ 50°C (A)	Power loss @ 25°C/50Hz (W)	Weight (kg)
FLLD3250AP-I1	250	15	7
FLLD3320AP-I1	320	15	10
FLLD3400AP-I1	400	25	10
FLLD3600AP-I1	600	40	11
FLLD3800AP-I1	800	50	17
FLLD31K0AP-I1	1000	75	17
FLLD31K6AP-I1	1600	130	26
FLLD32K5AP-I1	2500	230	55

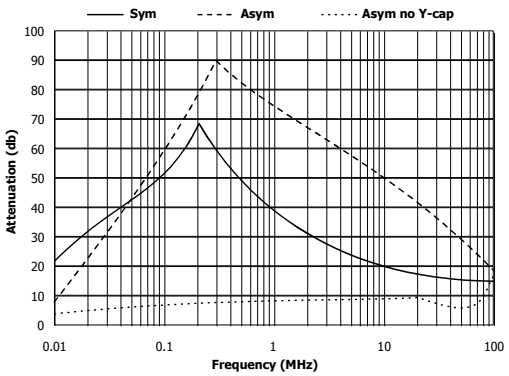
V = 520VAC
X = 520VAC without Y-capacitors

Typical insertion loss

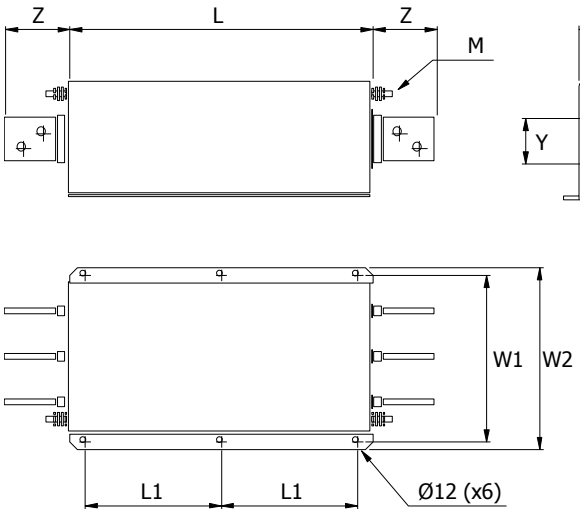
250 to 1000 A

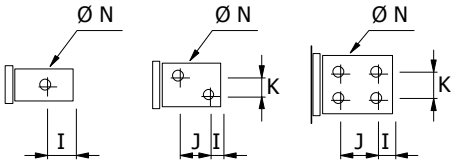


1600 and 2500 A



Mechanical dimensions





250 to 1000 A 1600 A 2500 A

Part Number	Dimensions in mm														
	L	W	H	L1	W1	W2	U	X	Y	Z	I	J	K	N	M
FLLD3250APVI1	300	180	125	120	205	230	55	5	20	45	15			9	M10
FLLD3320APVI1	300	210	115	120	235	260	60	6	25	45	15			10.5	M12
FLLD3400APVI1	300	210	115	120	235	260	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	160	170	275	300	60	10	60	95	17	26	26	14	M12
FLLD32K5APVI1	450	300	220	200	330	370	100	15	80	110	20	35	35	14	M12

Tolerances, if not stated, according to: ISO 2768-m

Legal disclaimer notice