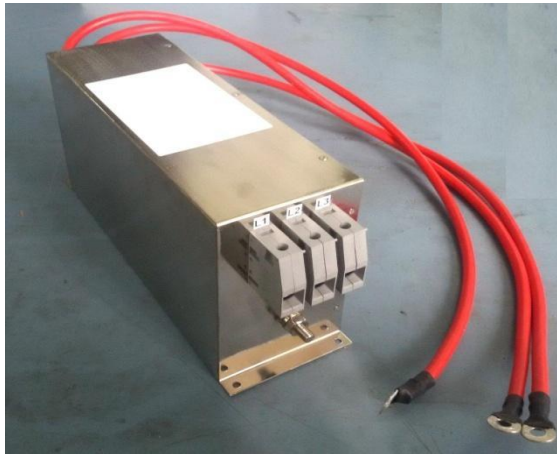


High attenuation AC EMI Filter



*Image shown is for illustrative purpose only

Conformance



Technical specifications

Operating voltage	440 VAC/480 VAC /520VAC
Current rating	100A - 300A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> P 2121VDC
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°c /-25°c +85°c

Features and benefits

- Filters available in single stage, double stage & triple stage.
- All filters provide high attenuation performance.
- Filters designed for noisy application requiring excellent filter performance.
- All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- High reliable
- Easy and fast chassis mountable filter with compact size.
- CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- Various terminal options are available

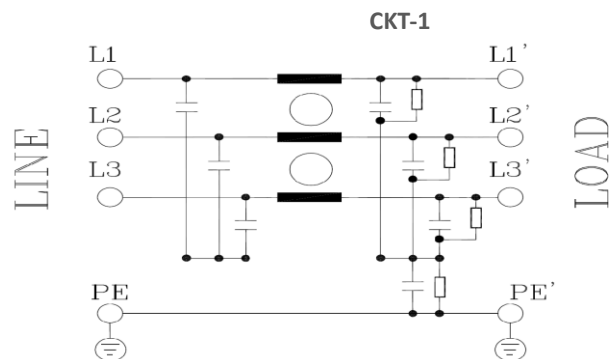
Application

- Consumer product
- Defence application
- Industrial application
- Automotive application
- Weighting Machines
- Printing Machinery
- Electrical equipment application
- Office automation equipment

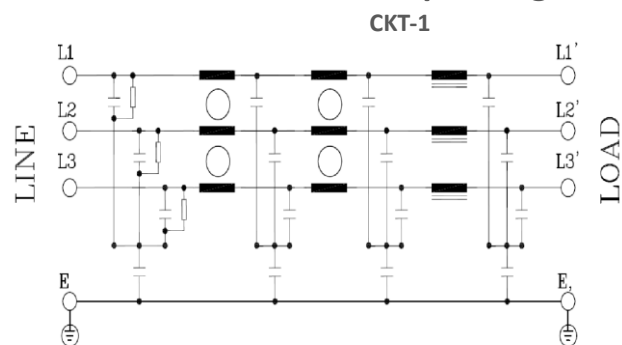
Attenuation type

Single Stage	Standard
Double Stage	High
Triple Stage	Very High

Electrical schematic for Single Stage Filter filter:



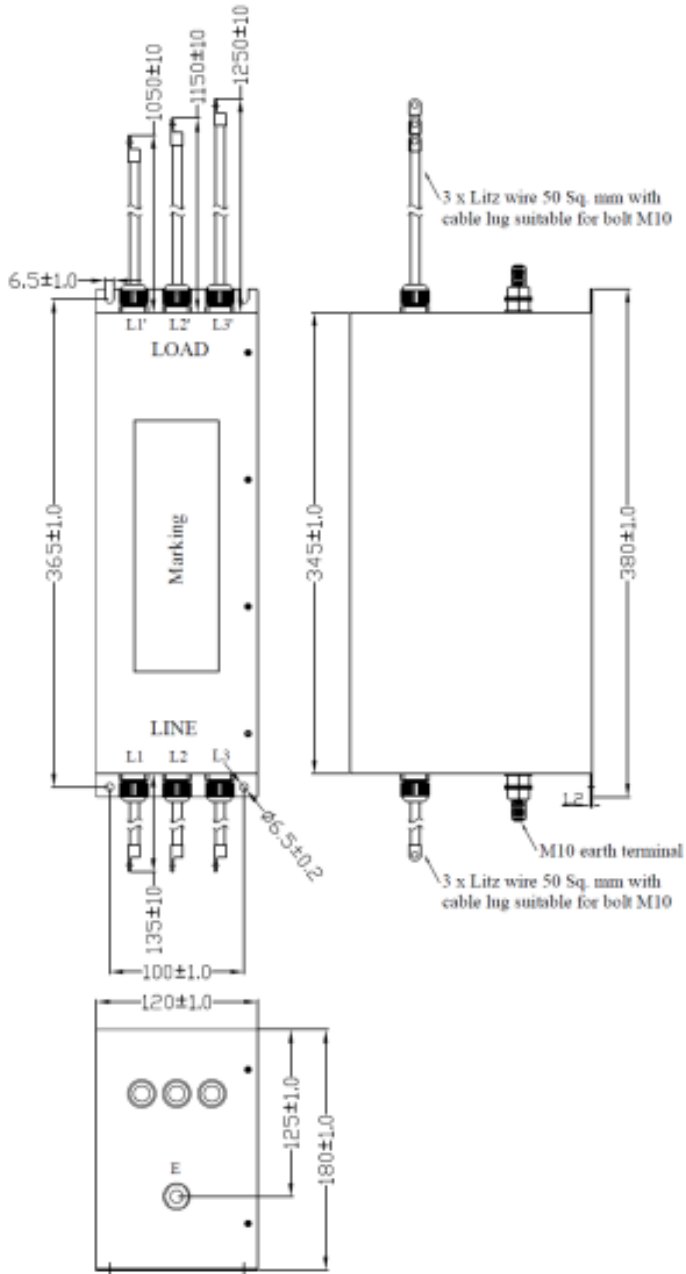
Electrical schematic for Triple Stage Filter:



Mechanical Details

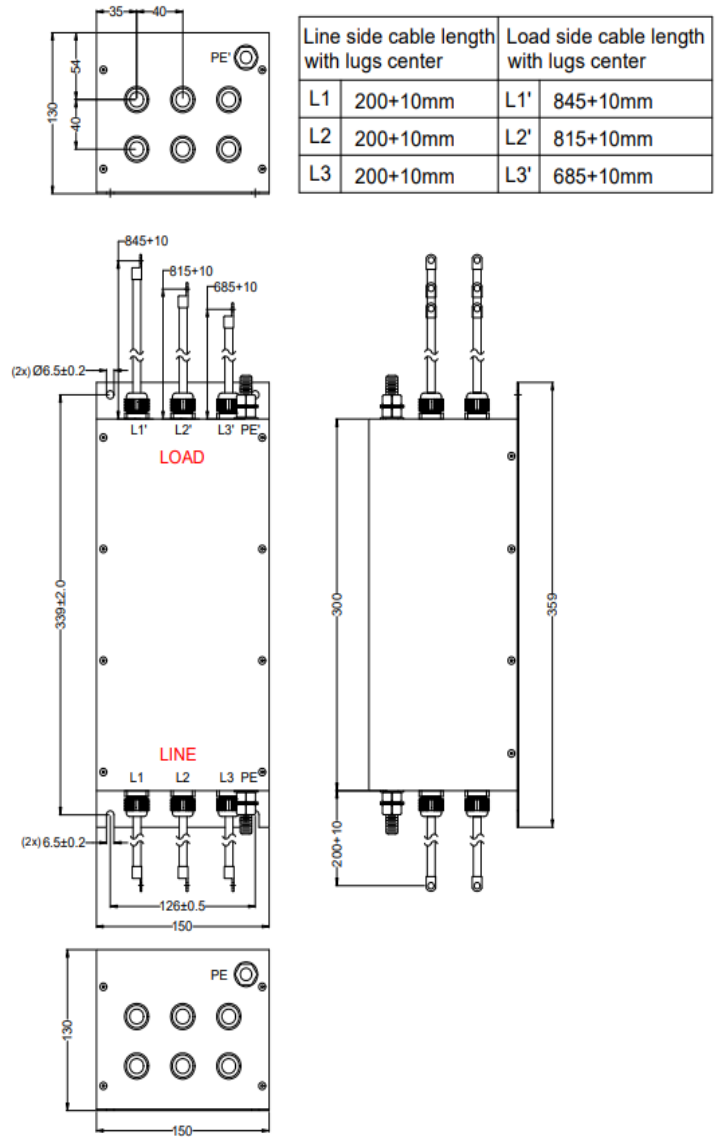
Wire lead terminal

140A





Wire lead terminal

188A & 222A & 284A



Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Current rating (A)	Leakage current (mA) @440V AC	Terminals (X)		Weight (Kg)	Attenuation
				Wire 	Touch -safe 		
1	EF-3B140X38G-C51	140	< 6	G	F	8	Very High
2	EF-3B188X06G-C51	188	< 15	G	F	9	High
3	EF-3B222X06G-C51	222	< 15	G	F	9	High
3	EF-3B284X06G-C51	284	< 15	G	F	10	High

- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-3B140G38G-C51).
- Maximum leakage under usual AC operating conditions (acc. IEC 60939-3). Note: if the neutral line is interrupted, worst case leakage could reach twice this level.
- Customize products provided on request.

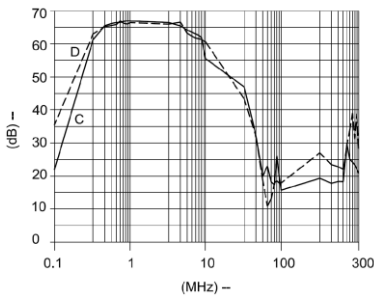
Filter attenuation graph

C = Common mode (asymmetrical) —————

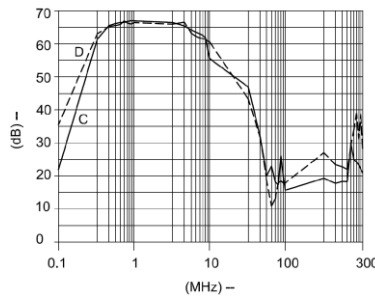
D = Differential mode (symmetrical) - - - - -

For Single Stage (CKT 1)

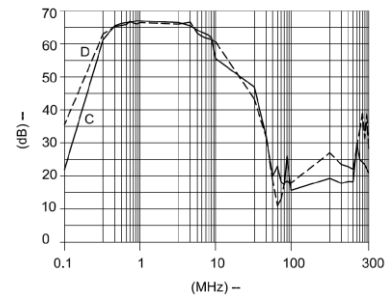
188 A



222 A



284 A



For Triple Stage (CKT 2)

140A & 170A

