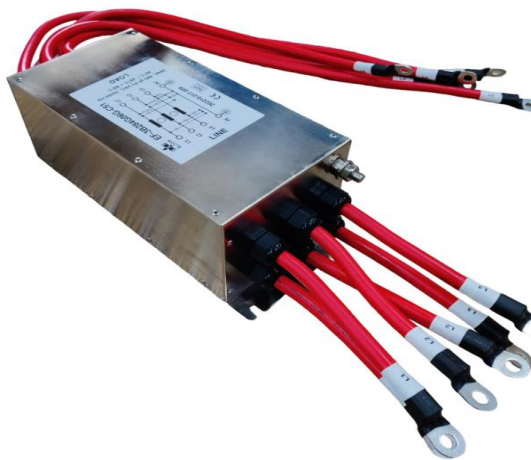


## High attenuation AC EMI Filter



\*Image shown is for illustrative purpose only

## Features and benefits

- | Filters available in single stage & double 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

## Conformance



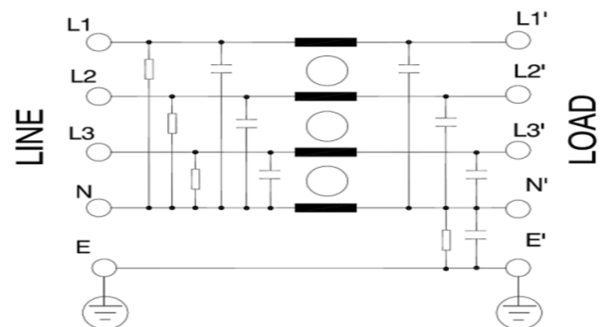
## Technical Specifications

Operating voltage	250/440 VAC, 277/480 VAC, 300/520VAC
Current rating	100A - 300A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	Phase and Natural -> E 1500VAC
Insulation resistance	≥ 300 MΩ @ 500VDC (Phase and Natural)
Operating temperature	40°C / -25°C +85°C

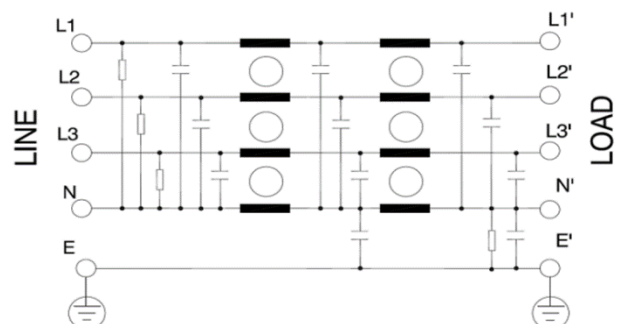
## Attenuation type

Single Stage	Standard
Double Stage	High

## Electrical schematic for Single Stage Filter : CKT-1

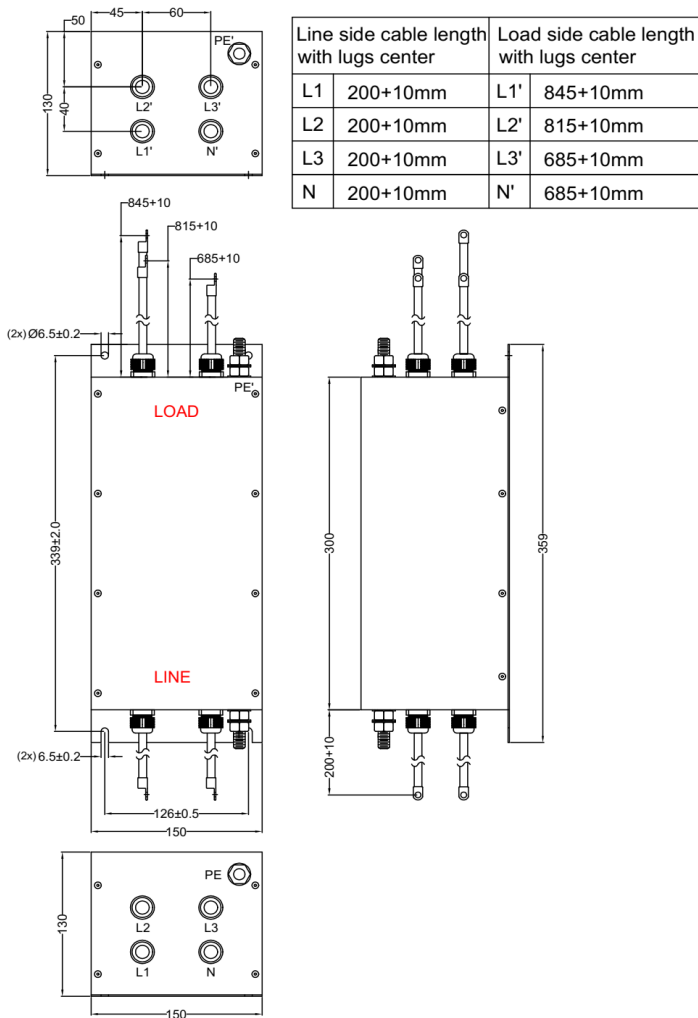


## Electrical schematic for Double Stage Filter : CKT-2

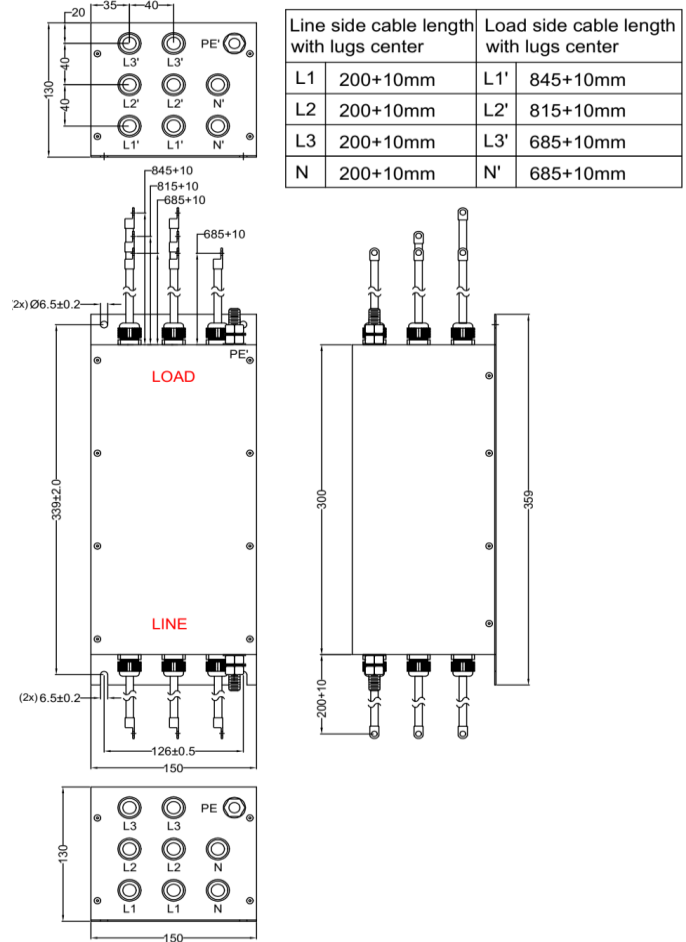


## Mechanical Details

### For wire lead terminal Up to 200A



### For wire lead terminal 200A to 300 A



## Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Current rating (A)	Leakage current (mA) @440V AC	Terminals (X)		Weight (Kg)	Attenuation
				Wire			
1	EF-3P100X01G-C51	100	< 3.5	G		10	Standard
2	EF-3P100X20G-C51	100	< 3.5	G		10	High

- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-3P100X01G-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)

For Triple Stage (CKT 2)

**100A to 300 A**

**100A to 300A**

