

## High attenuation AC EMI Filter



\*Image shown is for illustrative purpose only

## Features and benefits

- | Filters available in double stage
- | All filters provide high attenuation performance.
- | Two stage 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
- | Weighing Machines
- | Printing Machinery
- | Electrical equipment application
- | Office automation equipment

## Conformance



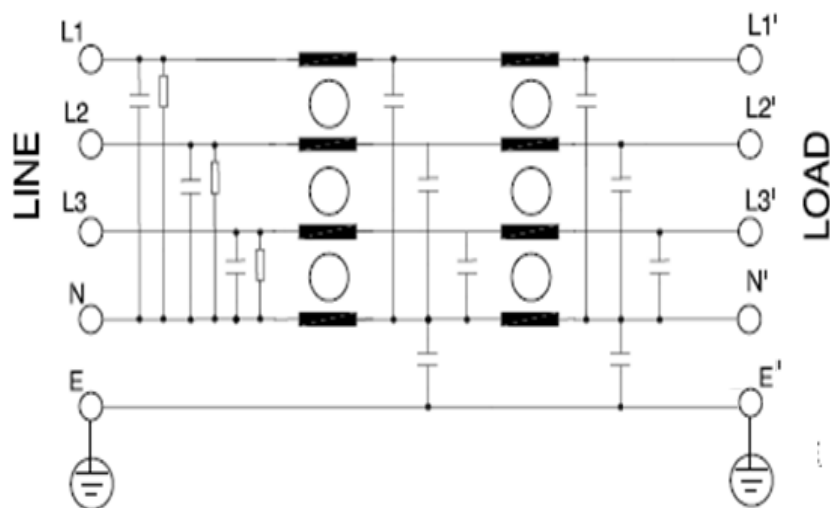
## Technical Specifications

Operating voltage	250VAC(P-N)/440VAC(P-P)
Current rating	50A - 60A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°c / -25°c +85°c

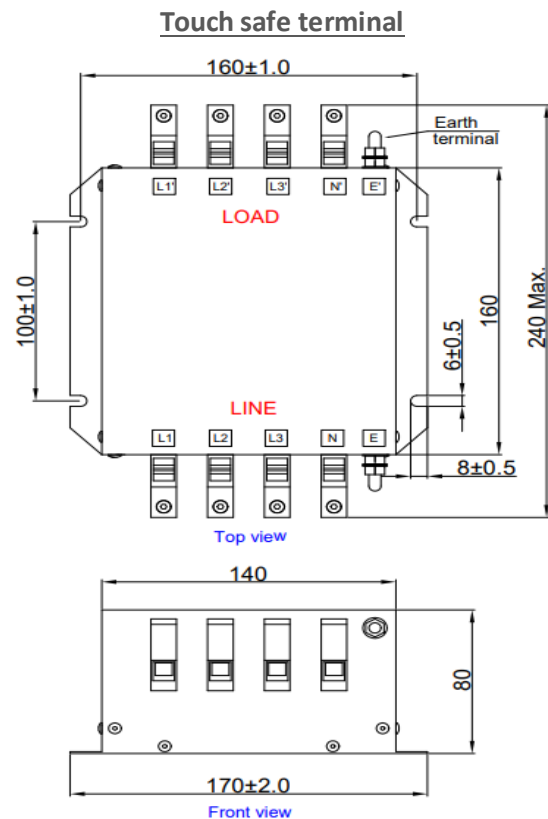
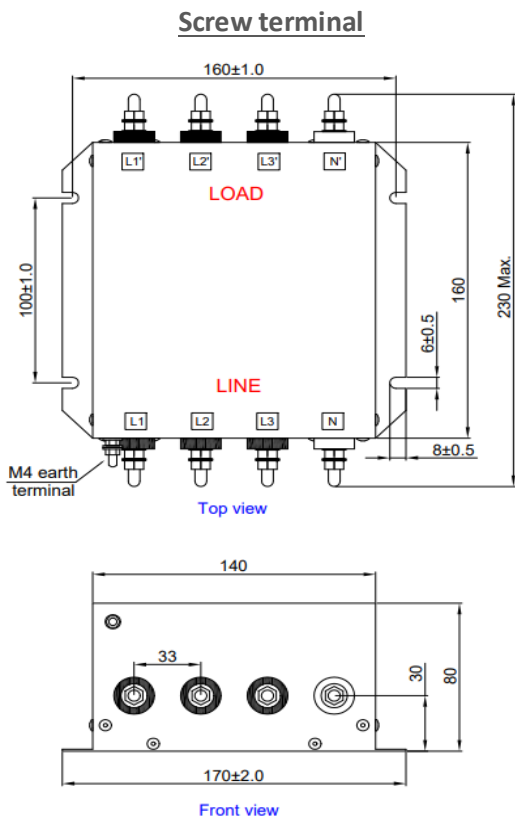
## Attenuation type

Double Stage **High**

## Electrical schematic for filter:





## Mechanical Drawing



All dimensions in mm  
General tolerance =  $\pm 2$ mm

## Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @440VAC	Terminals (X)		Approx. Weight (Kg)	Attenuation
				Fast-on 	Wire 		
1	EF-3P050X24G-C75	50	< 3.5	D	F	3.5	High
2	EF-3P060X24G-C75	60	< 3.5	D	F	3.5	High

- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-3P050D24G-C75)
- 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.

## Connection Method

Current Rating (A)	Screw terminal details		Touch safe terminal details		Earthing screw terminal details
	Screw	Recommended tightening torque	Touch safe	Recommended tightening torque	
50	M6	20-25Kgcm	16 Sq.mm	22-25 lbf.in	M4
60	M6	20-25Kgcm	16 Sq.mm	22-25 lbf.in	M4

## Filter attenuation graph

C = Common mode (asymmetrical) —————

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

