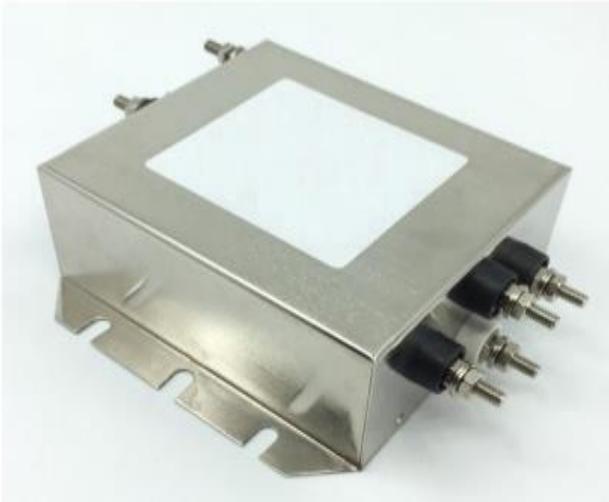


High attenuation AC EMI Filter



Conformance



Technical Specifications

Operating voltage	250VAC(P-N)/440VAC (P-P)
Current rating	1A - 40A
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

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.
- | With surge suppressor filters also available.
- | Various terminal options are available

Application

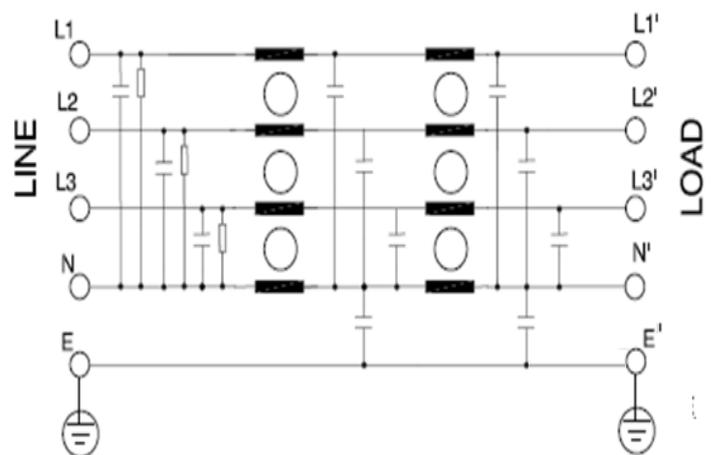
- | Consumer product
- | Defence application
- | Medical equipment
- | Industrial application
- | Automotive application
- | Weighting Machines
- | Printing Machinery
- | Electrical equipment application
- | Office automation equipment

Attenuation type

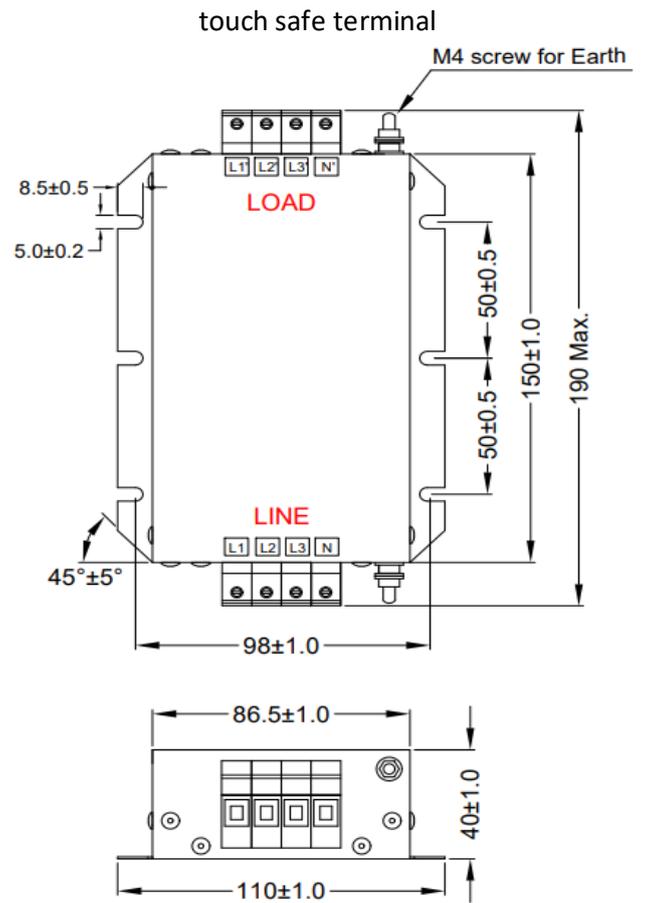
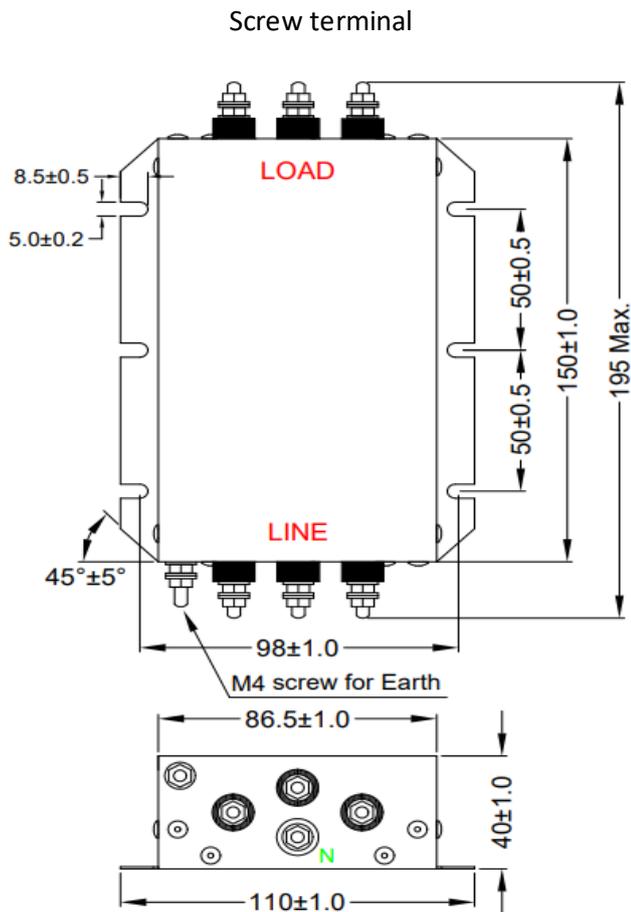
Double Stage **High**

Electrical schematic for filter:

CKT-1



Mechanical Details



All dimensions in mm
General tolerance=±2mm

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
				Screw 	Touch safe 		
1	EF-3P015X20G-C72	15	< 3.5	D	F	1.2	High
2	EF-3P020X20G-C72	20	< 3.5	D	F	1.2	High
3	EF-3P025X20G-C72	25	< 3.5	D	F	1.2	High
4	EF-3P040X20G-C72	40	< 3.5	D	F	1.2	High

Connection Method

Current Rating (A)	Screw terminal details		Touch safe terminal details		Earthing screw terminal
	Screw	Recommended tightening torque	Touch safe	Recommended tightening torque	
15	M4	12kgcm max	6 Sq.mm	10.6-13 lbf.in	M4
20	M4	12kgcm max	6 Sq.mm	10.6-13 lbf.in	M4
25	M4	12kgcm max	6 Sq.mm	10.6-13 lbf.in	M4
30	M4	12kgcm max	6 Sq.mm	10.6-13 lbf.in	M4
40	M4	12kgcm max	6 Sq.mm	10.6-13 lbf.in	M4

Filter attenuation graph

C = Common mode (asymmetrical) —————

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

For Double Stage (CKT 1)

