

Datasheet | EE07

Three phase three wire



General Purpose AC EMI Filter

El.italia EC-EE07 serie



Technical specifications

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

*Image shown is for illustrative purpose only

Features and benefits

- | Filters available in single stage
- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | High reliable
- | Easy and fast din rail mounting filter with compact size.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | Filters available in medical version without capacitor to earth.
- | General purpose filters with low leakage current for safety critical application.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage **Standard**

Applications

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

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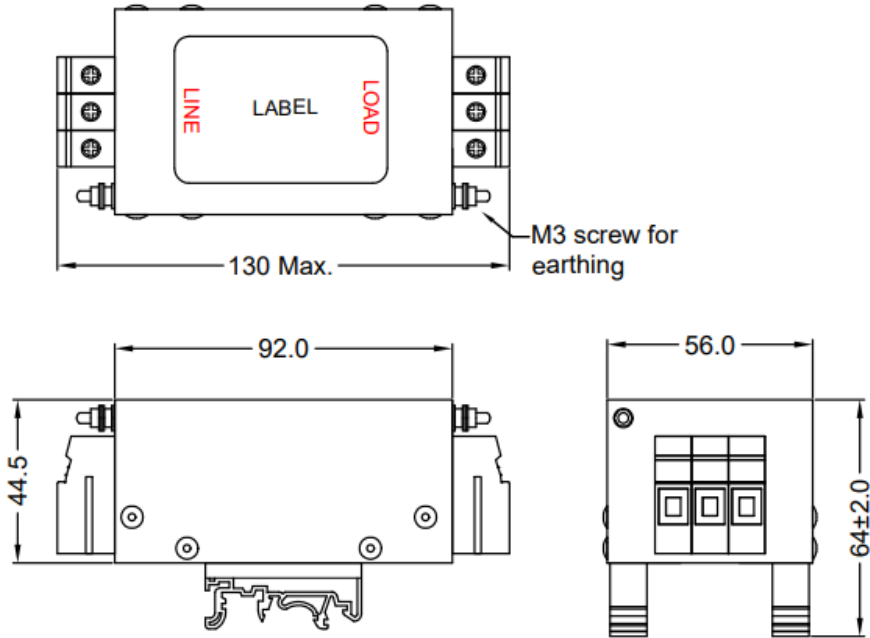
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Mechanical details

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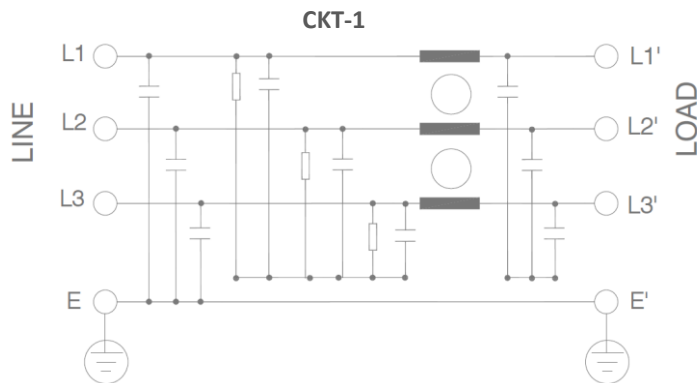
I For touch safe terminal



All dimensions in mm
General tolerance=±1mm

Electrical schematic for Single Stage Filter

General purpose –



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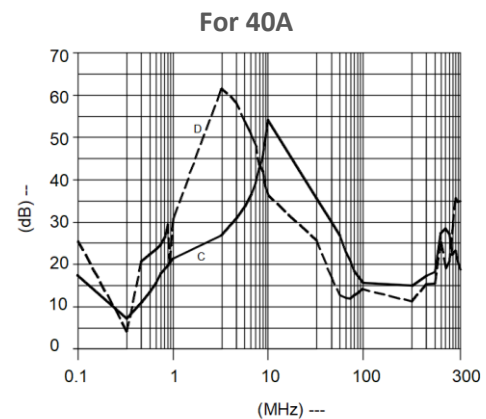
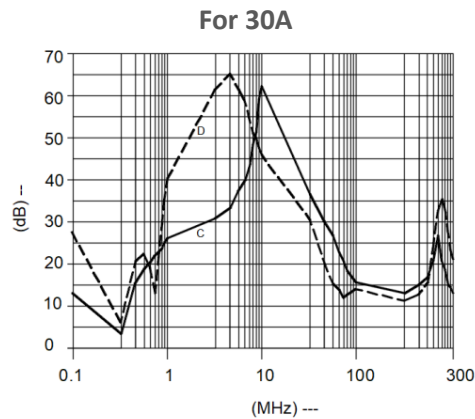
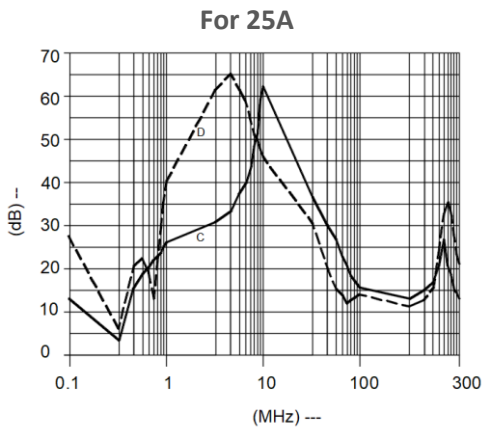
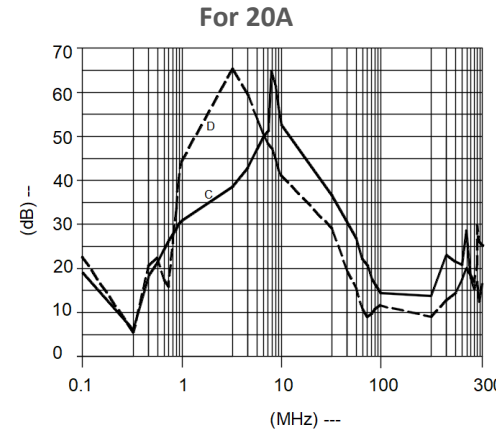
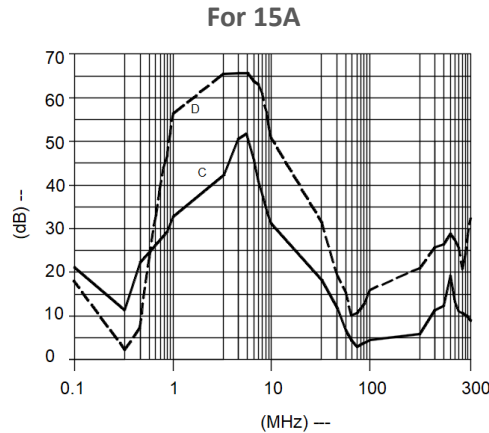
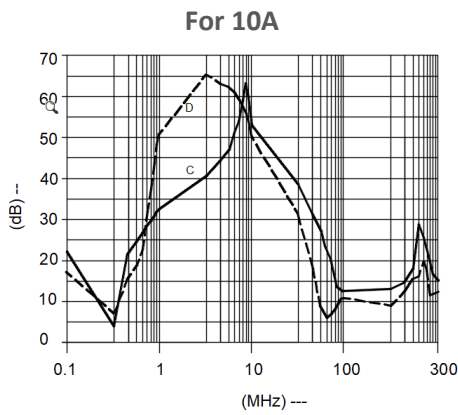
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Filter attenuation Graph

C = Common mode (asymmetrical) —————

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



Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @440VAC	Terminals (X)	Approx. Weight (gm)	Attenuation
				Touch safe 		
1	EF-3A010F01G-E07	10	< 1.8	F	300	Standard
2	EF-3A015F01G-E07	15	< 1.8	F	300	Standard
3	EF-3A020F01G-E07	20	< 1.8	F	300	Standard
4	EF-3A025F01G-E07	25	< 1.8	F	300	Standard
5	EF-3A030F01G-E07	30	< 1.8	F	300	Standard
6	EF-3A040F01G-E07	40	< 1.8	F	300	Standard

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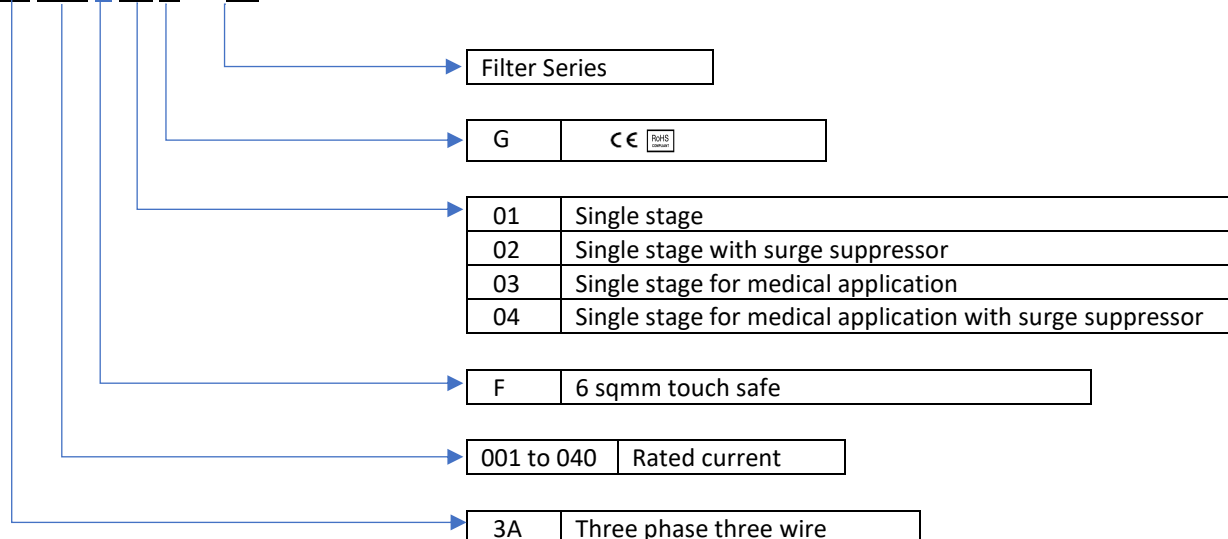
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Connection Type

Current Rating (A)	Touch safe terminal	Earthing
1A-40A	6 sqmm	M3 screw terminal

Syntax

EF - 3A CCC X YY G - E07



- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-3A010E02G-E07).
- 6 sqmm touch safe terminal tightening torque 10.6-13 lbf.in
- Customize products provided on request.