

Datasheet | EC57

EP-355WON Series



General Purpose AC EMI Filter

El.italia EC-EC57 [EP-355WON] serie



*Image shown is for illustrative purpose only



Technical specifications

Operating voltage	440VAC (P -P)
Current rating	700A - 1000A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 2121VDC (applicable for general purpose filter)
Insulation resistance	$\geq 300 \text{ M}\Omega @ 500\text{VDC (P}\rightarrow\text{E)}$
Operating temperature	40°C / -25°C +85°C

Attenuation Type

Single Stage

Standard

Features and benefits

- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Single stage.
- | High reliable
- | Chassis mountable filter in fabricated metal can.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | General purpose filter with low leakage current for safety critical application.

Application

- | Electrical and electronic equipment
- | Test & measurement equipment
- | 3 Phase motor drive
- | Inverters and converters
- | Industrial automation application UPS, SMPS
- | Laser cutting tools
- | Packaging and drilling machine
- | Printing machine

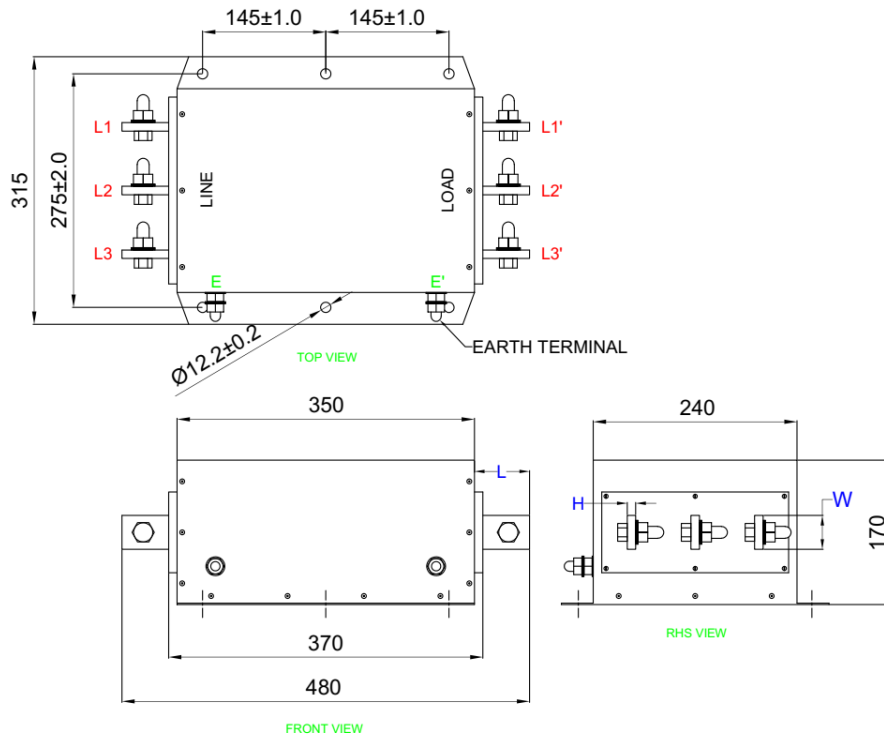
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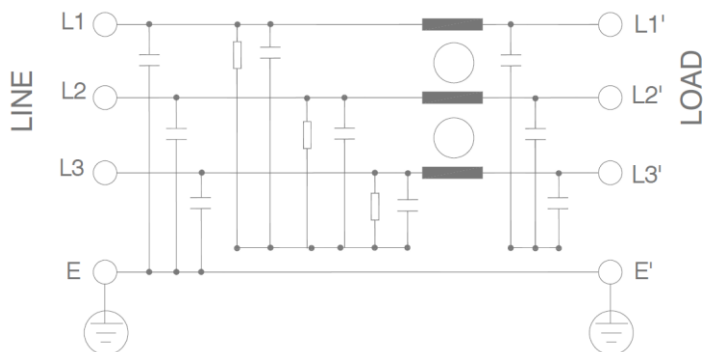
Mechanical details

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All dimensions are in mm.
General tolerance $\pm 2\%$

Electrical schematic for filter



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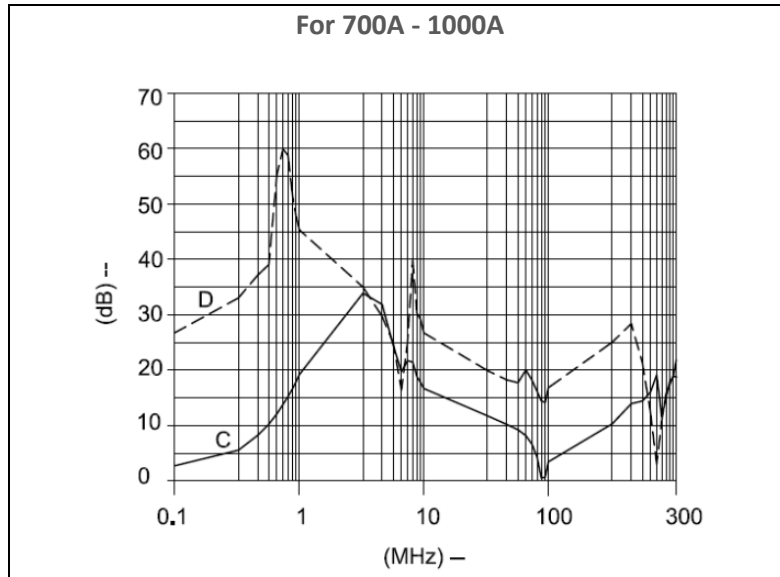


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Filter attenuation graph

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) @250VAC	Bus bar 	Approx. Weight (Kg)	Attenuation
1	EF-3A700E01E-C57	700	< 3.5	E	28	Standard
2	EF-3A800E01E-C57	800	< 3.5	E	28	Standard
3	EF-3A1K0E01E-C57	1000	< 3.5	E	30	Standard

- 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 Type :

Current Rating (A)	Busbar details				Earthing
	L (mm)	W (mm)	H (mm)	Screw for connection	
700	65	40	10	M12	M12
800	65	40	10	M12	M12
1000	65	40	12	M12	M12

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Syntax

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EF – 3A CCC X YY E – C57

