

Datasheet | EC57 EP-355WON Series



General Purpose AC EMI Filter



*Image shown is for illustrative purpose only

Approvals /Conformance



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	≥ 300 MΩ @ 500VDC (P→E)
Operating temperature	40°C /-25°C +85°C

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.

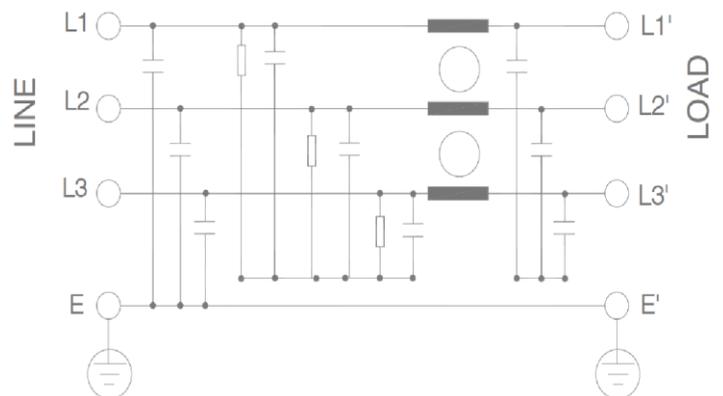
Application

- | 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

Attenuation type

Single Stage **Standard**

Electrical schematic for filter:

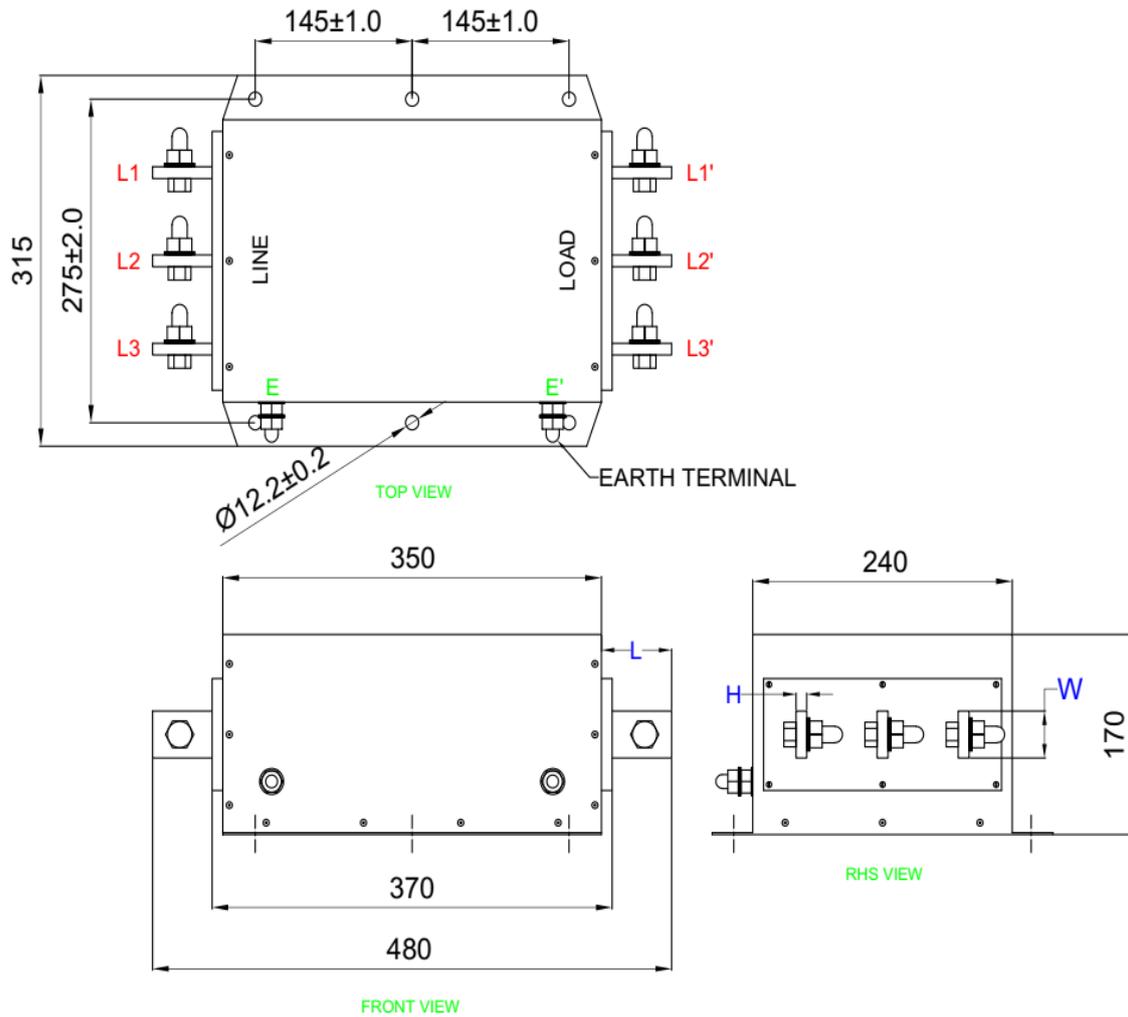


Datasheet | EC57

EP-355WON Series



Mechanical Details



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

Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @440VAC	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 Method

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

Filter attenuation graph

C = Common mode (asymmetrical) ————— D = Differential mode (symmetrical) - - - - -

