

Datasheet | EC43

EP-355WON Series



General Purpose AC EMI Filter

El.italia EC-EC43 [EP-355WON] serie



*Image shown is for illustrative purpose only



Technical specifications

Operating voltage	440VAC (P -P)
Current rating	300A - 450A
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

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.

Attenuation Type

Single Stage

Standard

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

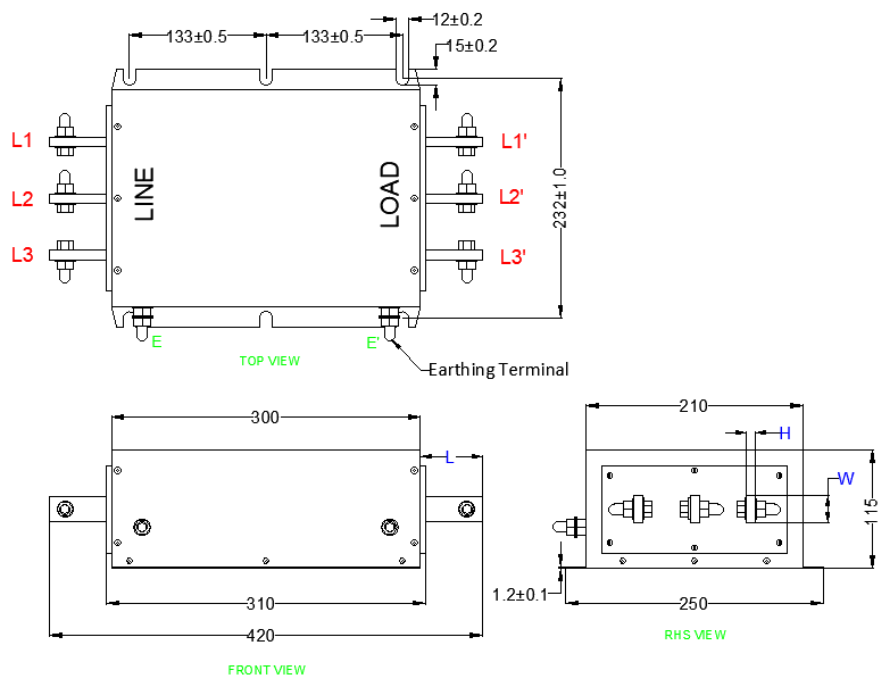
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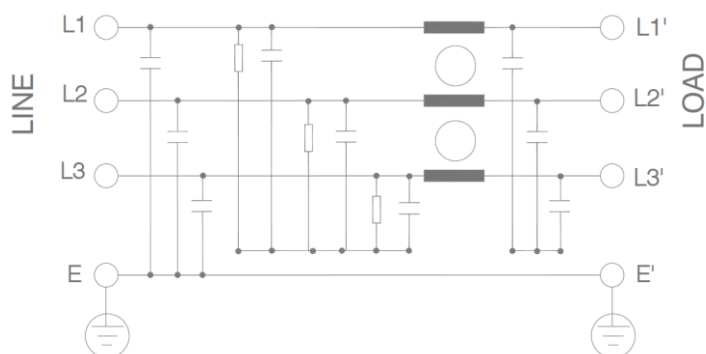
Mechanical details

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

Electrical schematic



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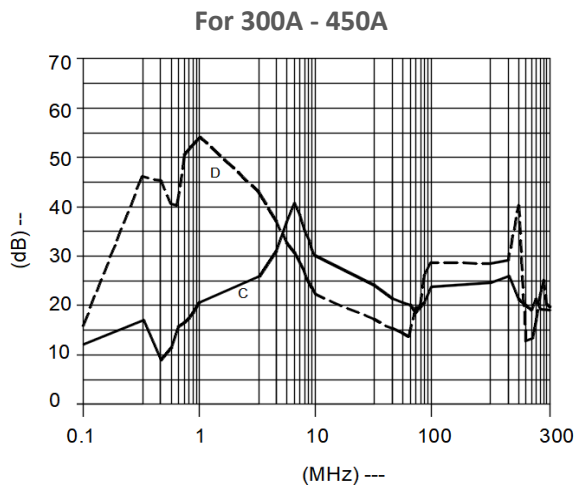


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Filter attenuation graph

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-3A300E01E-C43	300	< 3.5	E	15	Standard
2	EF-3A350E01E-C43	350	< 3.5	E	15	Standard
3	EF-3A400E01E-C43	400	< 3.5	E	16	Standard
4	EF-3A450E01E-C43	450	< 3.5	E	16	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	
300	55	25	6	M10	M10
350	55	25	6	M10	M10
400	55	25	8	M10	M10
450	55	25	8	M10	M10

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Syntax

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EF – 3A CCC X YY E – C43

