Datasheet | EC43
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	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	≥ 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.

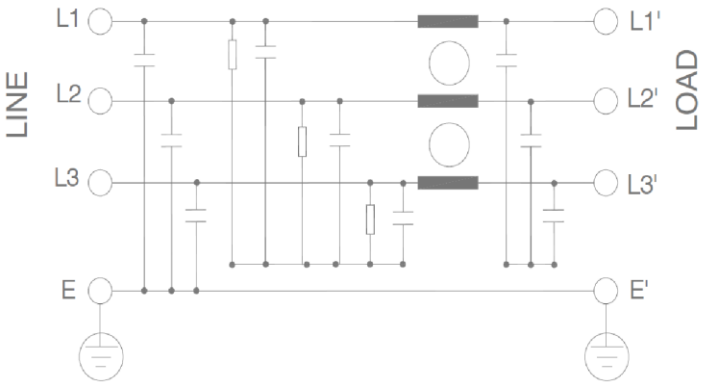
Application

- 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

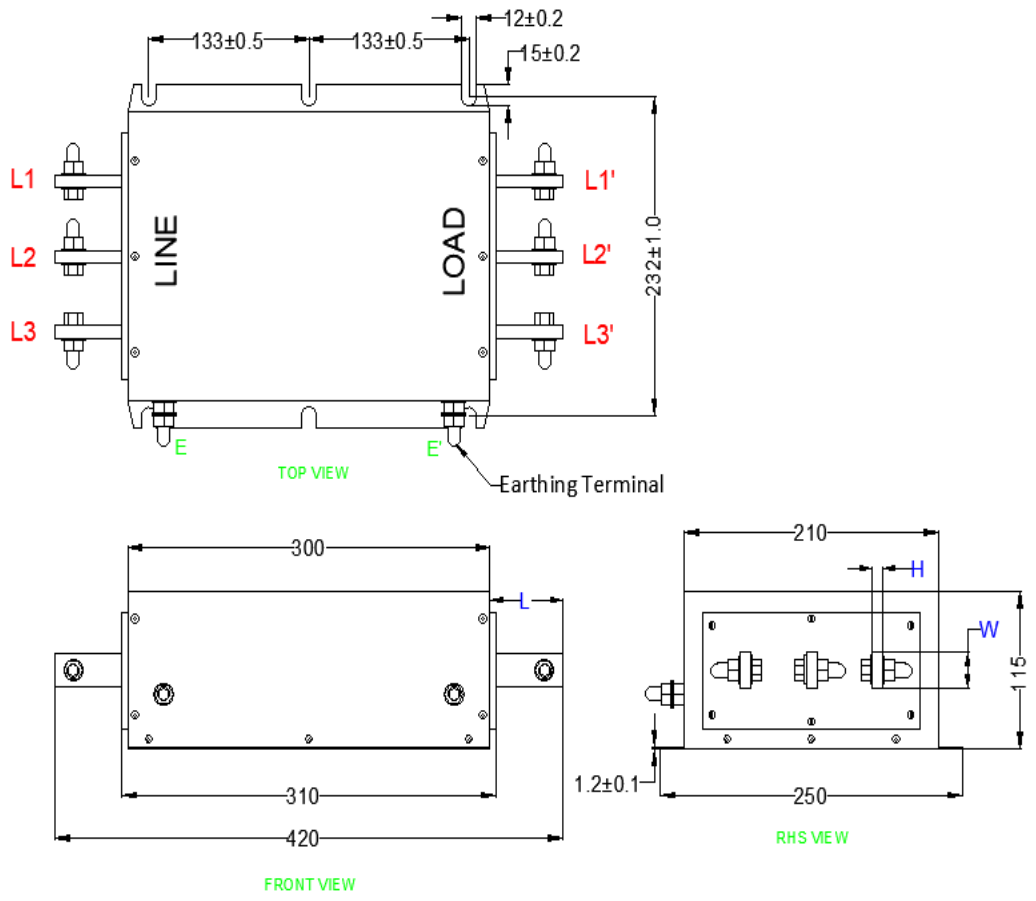
Single Stage **Standard**

Electrical schematic for filter:



Datasheet | EC43
EP-355WON Series

Mechanical Details



All dimensions are in mm.
General tolerance ± 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-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.

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Connection Method

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

Filter attenuation graph

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