



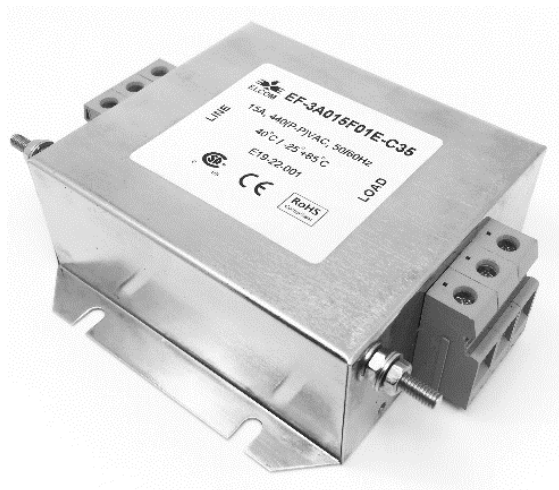
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EP-355WON Series

General Purpose AC EMI Filter



El.italia EC-EC35 [EP-355WON] serie



*Image shown is for illustrative purpose only



Technical specifications

Operating voltage	440VAC (P-P)
Current rating	3A - 40A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> P 2121VDC (applicable for general purpose filter)
Insulation resistance	$\geq 300 \text{ M}\Omega @ 500\text{VDC}$ (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.
- | With surge suppressor filters also available.
- | Various terminal options are available.

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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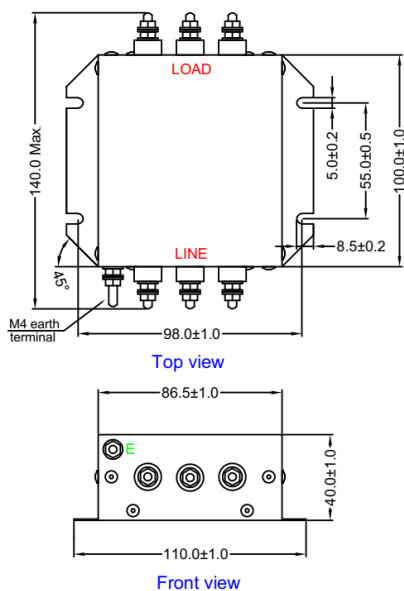
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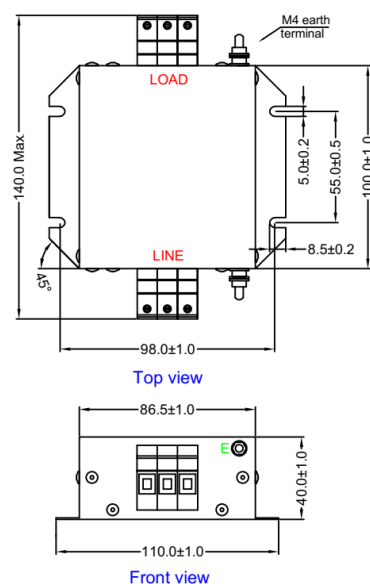
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Mechanical details

Screw terminal

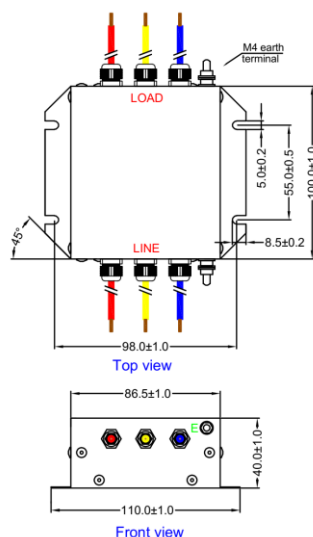


Touch safe terminal

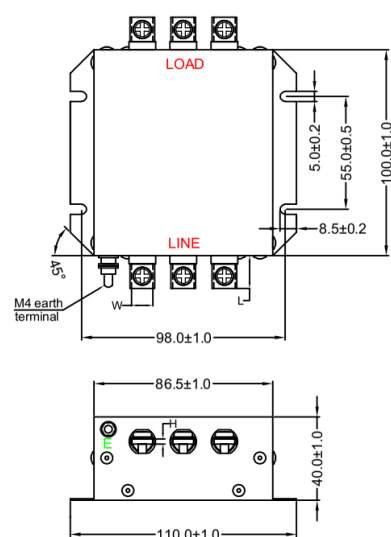


-Over 40A current rating touch will be unstackable

Wire Terminal



Busbar Terminal



*All dimensions are in mm.

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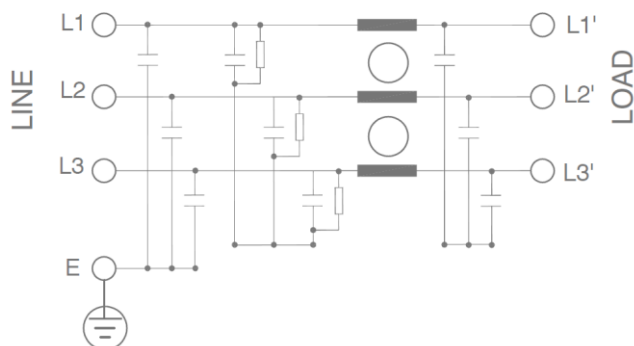
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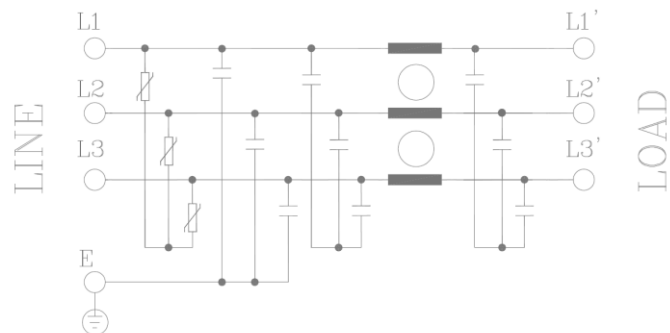
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Electrical schematic for filter

General purpose -



General purpose with surge suppressor -



*Note - For Touchsafe/Wire/Busbar terminal, earthing terminal provided on both sides.

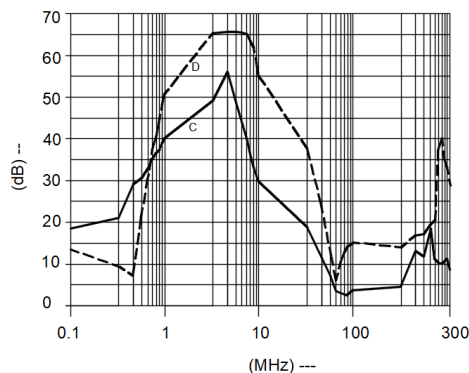
Filter attenuation graph

C = Common mode (asymmetrical) —————

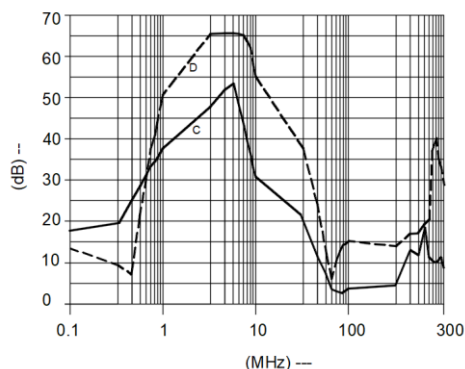
D = Differential mode (symmetrical) - - - - -

For general purpose

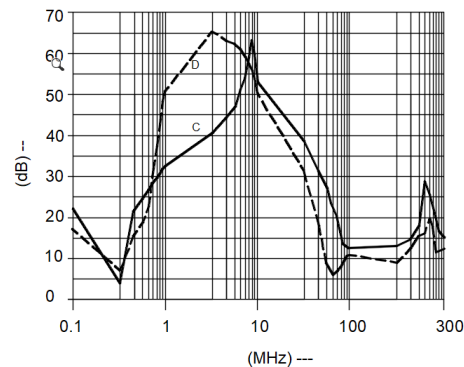
For 3A



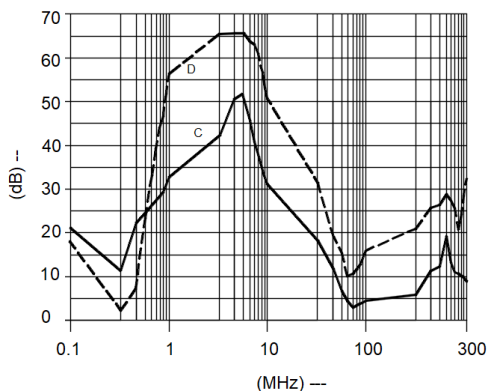
For 6A



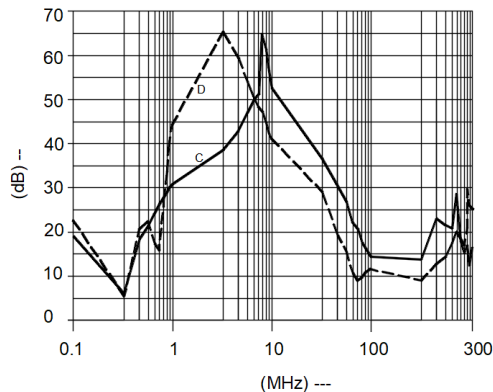
For 10A



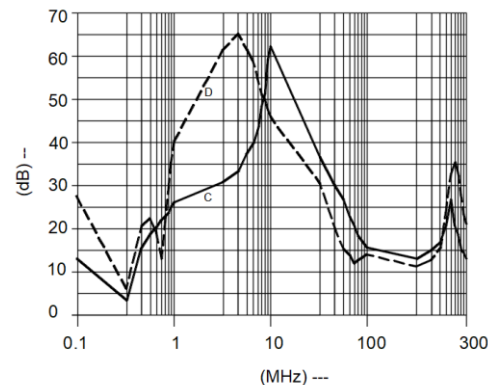
For 15A



For 20A



For 25A



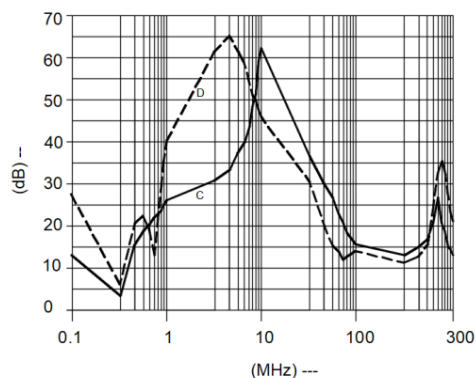
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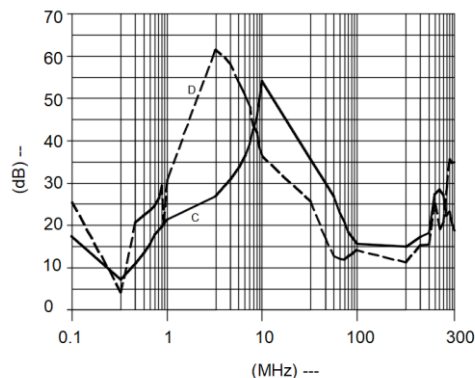


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For 30A



For 40A



Filter Selection Table –

Sr. No.	Elcom part codes (ordering code)	Current rating (A)	Leakage current (mA) @250V AC	Terminals (X)				Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (J)	Weight (gm)	Attenuation
				Screw 	Busbar 	Touch - safe 	Wire 				
1	EF-3A003X01E-C35	3	< 1.8	D	E	F	G	----	----	500	Standard
2	EF-3A003X02E-C35	3	< 1.8	D	E	F	G	6.5	175	500	Standard
3	EF-3A006X01E-C35	6	< 1.8	D	E	F	G	----	----	500	Standard
4	EF-3A006X02E-C35	6	< 1.8	D	E	F	G	6.5	175	500	Standard
5	EF-3A010X01E-C35	10	< 1.8	D	E	F	G	----	----	500	Standard
6	EF-3A010X02E-C35	10	< 1.8	D	E	F	G	6.5	175	500	Standard
7	EF-3A015X01E-C35	15	< 1.8	D	E	F	G	----	----	500	Standard
8	EF-3A015X02E-C35	15	< 1.8	D	E	F	G	10	350	500	Standard
9	EF-3A020X01E-C35	20	< 1.8	D	E	F	G	----	----	500	Standard

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10	EF-3A020X02E-C35	20	< 1.8	D	E	F	G	10	350	500	Standard
11	EF-3A025X01E-C35	25	< 1.8	D	E	F	G	----	----	500	Standard
12	EF-3A025X02E-C35	25	< 1.8	D	E	F	G	10	350	500	Standard
13	EF-3A030X01E-C35	30	< 1.8	D	E	F	G	----	----	500	Standard
14	EF-3A030X02E-C35	30	< 1.8	D	E	F	G	10	350	500	Standard
15	EF-3A040X01E-C35	40	< 1.8	D	E	F	G	----	----	500	Standard
16	EF-3A040X02E-C35	40	< 1.8	D		F	G	10	350	500	Standard

- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-3A010D01E-C35)
- 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)	Screw terminal details		Bus bar terminal details		Touch safe terminal details		Wire terminal details (AWG)	Earthing screw terminal details
	Screw	Recommended tightening torque	Bus bar (LxWxH)	connection screw terminal	Touch safe	Recommended tightening torque		
3	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	18	M4
6	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	18	M4
10	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	14	M4
15	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	14	M4
20	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	12	M4
25	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	10	M4
30	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	10	M4
40	M4	12kgcm max	12x10x2.5	M4	6 Sq.mm	10.6-13 lbf.in	8	M4

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Syntax

EF – 3A CCC X YY E – C35

