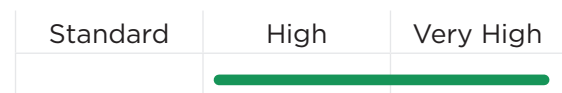
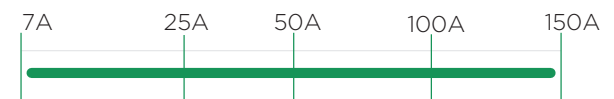
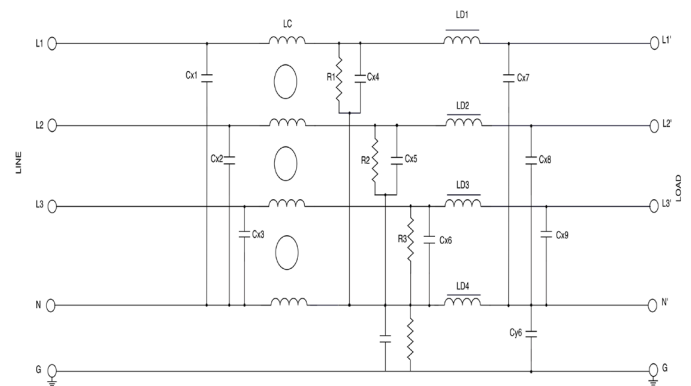



Features:

- 3 Phase filters for drives/invertors
- Compact/Light Weight/Cost Effective
- Bookshelf Design

Applications:

- CNC Machines
- Robotics
- Regenerative Drives


Performance Indicator

Rated current [A]

Typical circuit Diagram

DATASHEET
THREE PHASE EMI FILTER - MF423 4 3DD BS
Description

These series range of three phase filters with added differential mode in book shelf design give superior performance when used in applications with low Impedance loads controlling pulsed, continuous and intermittent interference noise and where high levels of mains borne interference are present.

Technical Specifications:

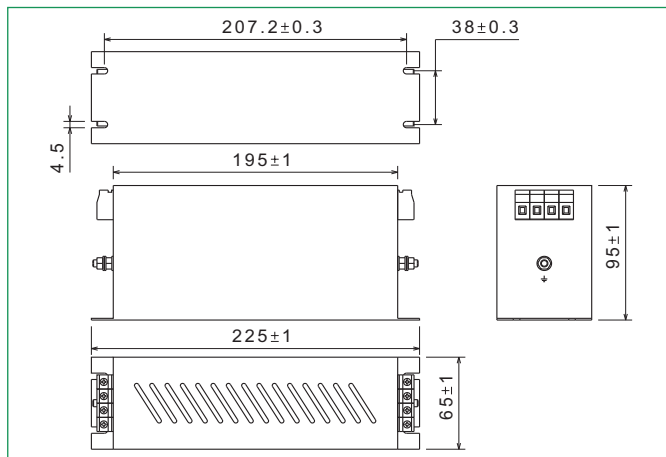
Maximum Continuous Operating Voltage	: 440VAC
Operating Frequency	: 50/60 Hz
Current ratings	: 7A to 150A @ 40°C
High Potential test voltage	: L to G 2660Vdc for 1 Minute L to L 1950Vdc for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: IEC60939-1&2
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

Ordering Information

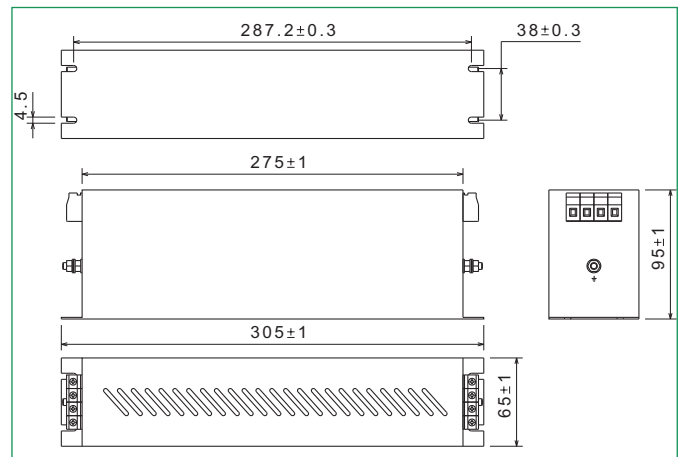
Model Number	Part Number (for 440VAC)	Rated Current @40°C	Leakage current (mA)	Termination 	Weight (Kg)
MF423 4 3DD BS	E100111-2	7A	12	4	2
MF423 4 3DD BS	E100120-3	16A	12	4	3
MF423 4 3DD BS	E100120-4	30A	12	4	3
MF423 4 3DD BS	E100120-5	42A	12	10	4
MF423 4 3DD BS	E100120-6	55A	20	10	4
MF423 4 3DD BS	E100120-7	75A	20	16	5
MF423 4 3DD BS	E100120-8	100A	20	25	5
MF423 4 3DD BS	E100120-9	125A	50	50	10
MF423 4 3DD BS	E100120-10	150A	50	50	12

Mechanical Drawing:

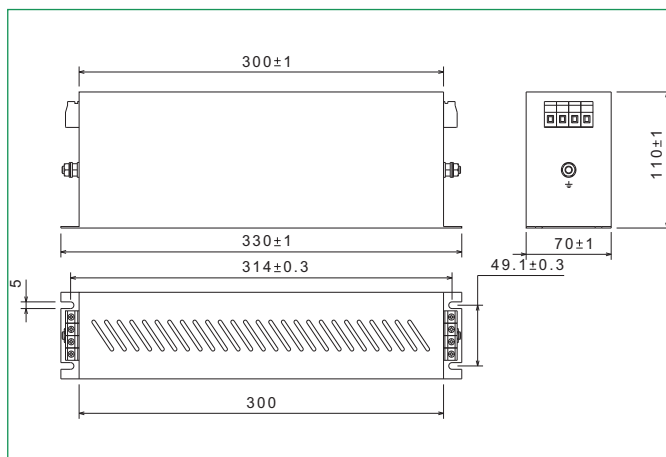
7A



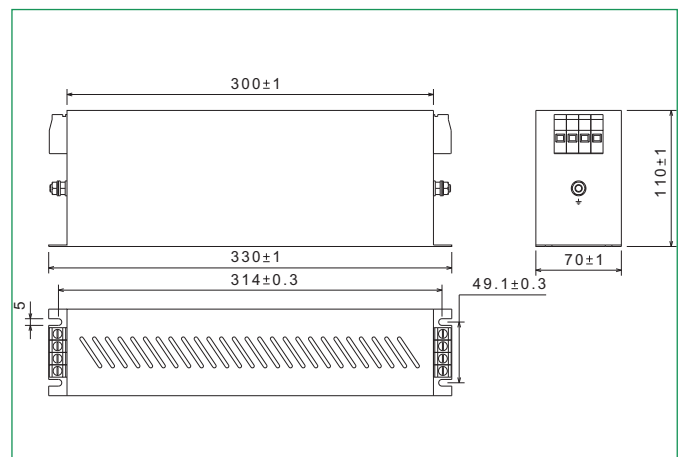
16A



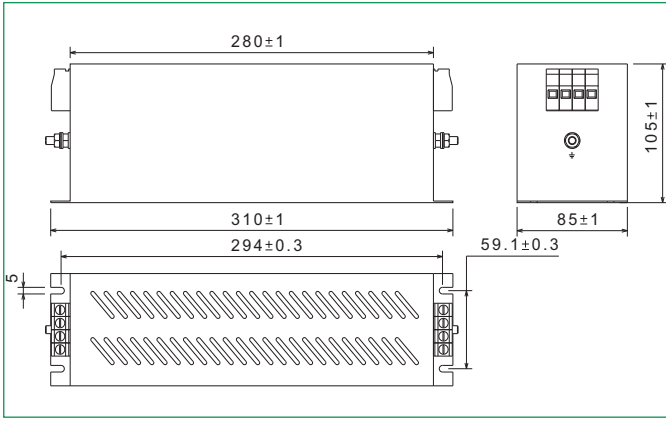
30A



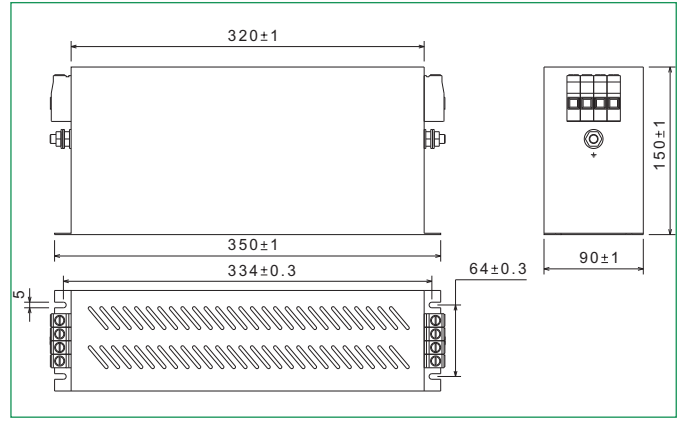
42A



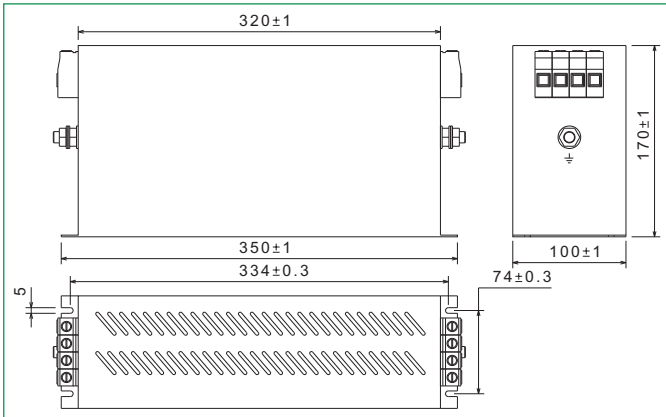
55A



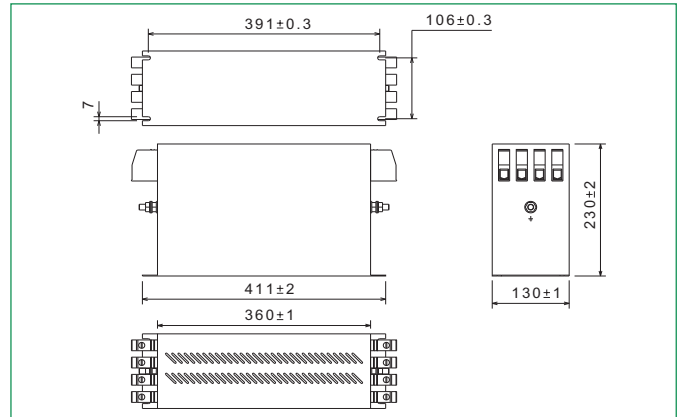
75A



100A



125A-150A



All dimensions in mm; Tolerances according to ISO2768-C

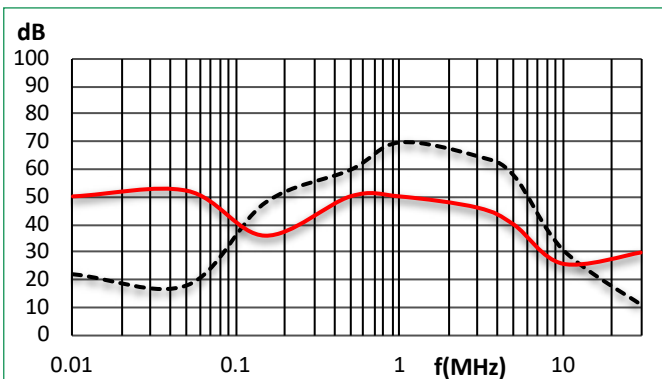
Connectors Cross Sections

	4	10	16	25	50
Wire Section (mm ²)	4mm ²	10mm ²	16mm ²	25mm ²	50 mm ²
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG	1/0AWG
Wire Stripping	Max 10mm	Max 13.5mm	Max 17mm	Max 17mm	Max 20mm
Max Recommended Torque	0.5 Nm / 4.5 in.lbs	1.2 Nm / 10.8 in.lbs	2-2.2 Nm / 18-19.8 in.lbs	2 Nm / 18 in.lbs	6 Nm / 54 in.lbs

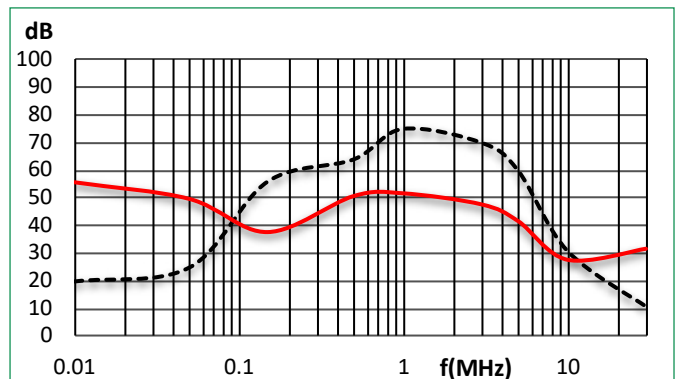
Insertion Loss : Common mode _____ Differential Mode

Per CISPR 17; DM=50/50 sym; CM=50/50 asym

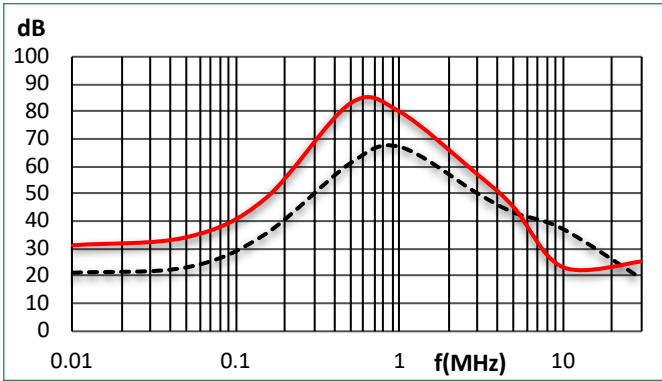
7A



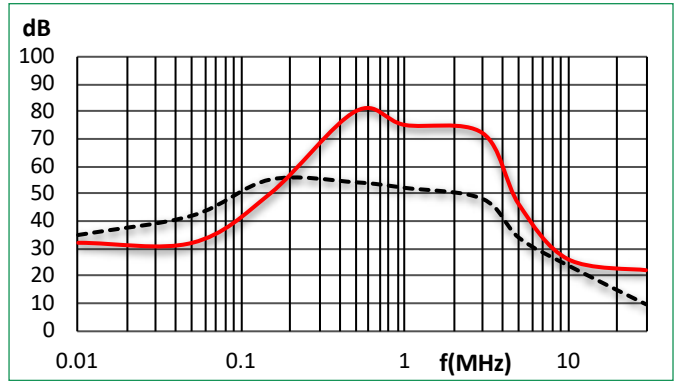
16A



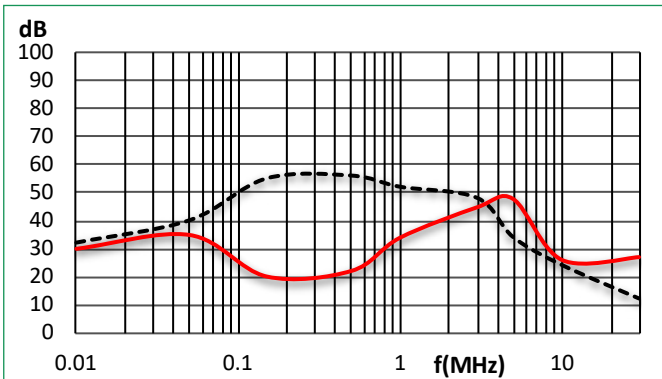
30A



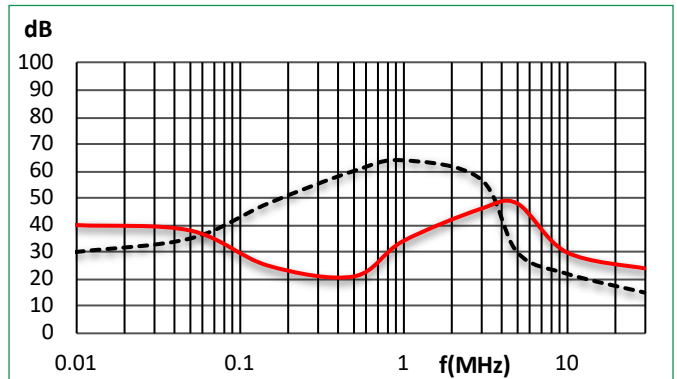
42A



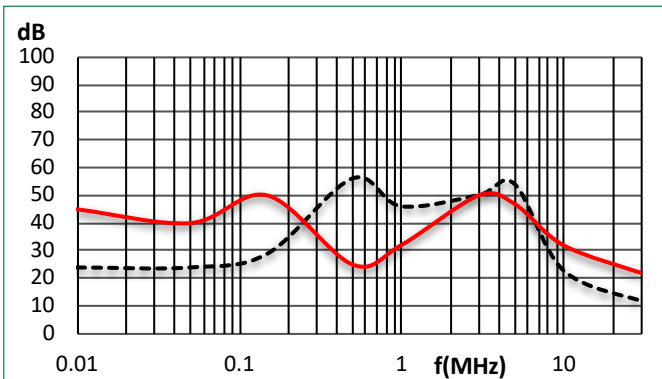
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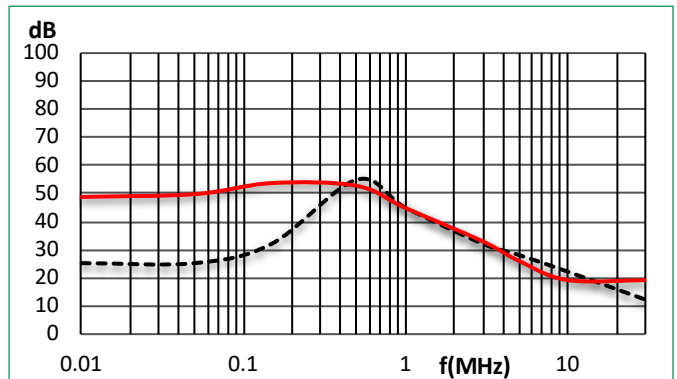
75A



100A



125A



150A

