

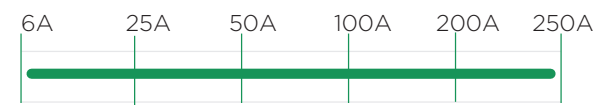
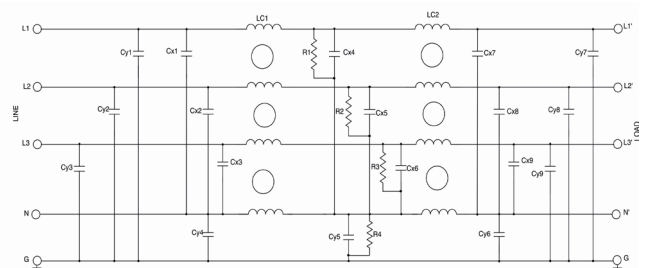

Features:

- Compact
- High Attenuation Performance
- Chassis mounting 3 Phase Filter with neutral
- Shock proof terminals

Applications:

- CNC Machines
- AC/DC Drives
- Convertors
- Elevators
- HVAC
- SMPS

Performance Indicator



Rated current [A]

Typical circuit Diagram

DATA SHEET
THREE PHASE EMI FILTER - MF423 4 3D
Description

These series of Dual stage filters designed with neutral for motor and power drive systems which can provide Superior attenuation performance and suppress conducted noise even when high interference levels are present.

Technical Specifications:

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60 Hz
Current ratings	: 6A to 250A @ 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	: UL 60939-3, CSA 22.2 No.8-13 and IEC60939-1&2
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

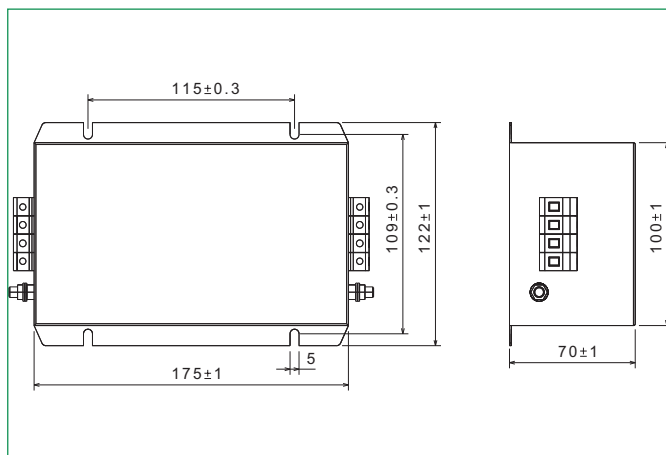
Ordering Information

Model Number	Part Number (for 440VAC)	Part Number (for 520VAC)	Rated Current @40°C	Leakage current (mA)	Termination		Weight (Kg)
							
MF423 4 3D	E100110-2	E100774-2	6A	10	4		2.8
MF423 4 3D	E100110-3	E100774-3	8A	10	4		2.8
MF423 4 3D	E100110-4	E100774-4	10A	10	4		2.8
MF423 4 3D	E100110-5	E100774-5	12A	10	4		2.8
MF423 4 3D	E100110-19	E100774-6	15A*	10	4		2.8
MF423 4 3D	E100110-6	E100774-7	16A	10	4		2.8
MF423 4 3D	E100110-7	E100774-8	20A	10	4		2.8
MF423 4 3D	E100110-8	E100774-9	25A	10	4		2.8
MF423 4 3D	E100110-9	E100774-10	36A	10	10		2.8
MF423 4 3D	E100110-16	E100774-11	40A*	10	10		2.8
MF423 4 3D	E100110-10	E100774-12	50A	10	10		2.8
MF423 4 3D	E100110-11	E100774-13	60A	10	16		8
MF423 4 3D	E100110-12	E100774-14	75A	10	16		8
MF423 4 3D	E100110-22	E100774-18	80A*	10	25		8
MF423 4 3D	E100110-13	E100774-16	100A	15	25		9
MF423 4 3D	E100110-14	E100774-17	125A*	15		M10	9
MF423 4 3D	E100110-24	E100774-15	150A*	15		M10	10
MF423 4 3D	E100110-15	E100774-19	160A*	15		M10	10
MF423 4 3D	E100110-23	E100774-20	200A*	15		M10	13
MF423 4 3D	E100110-17	E100774-21	250A*	15		M10	13

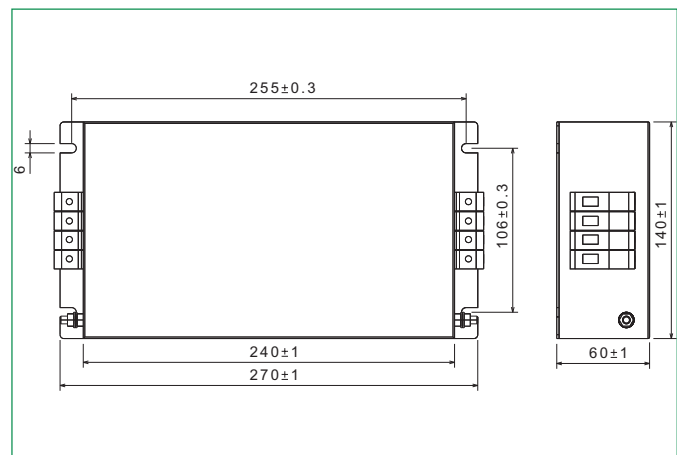
Note: *not covered under NEMKO

Mechanical Drawing:

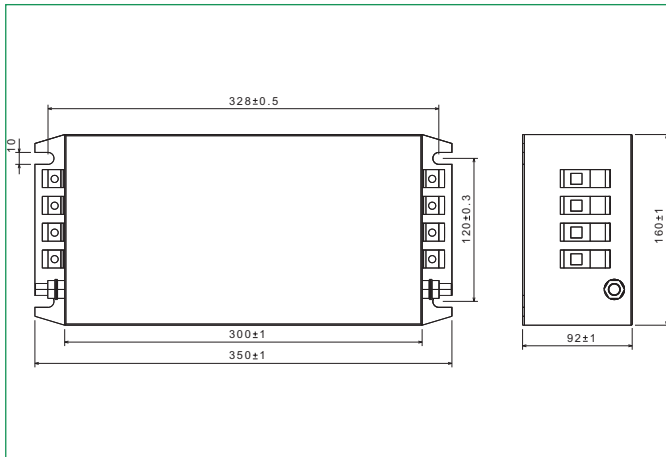
6A



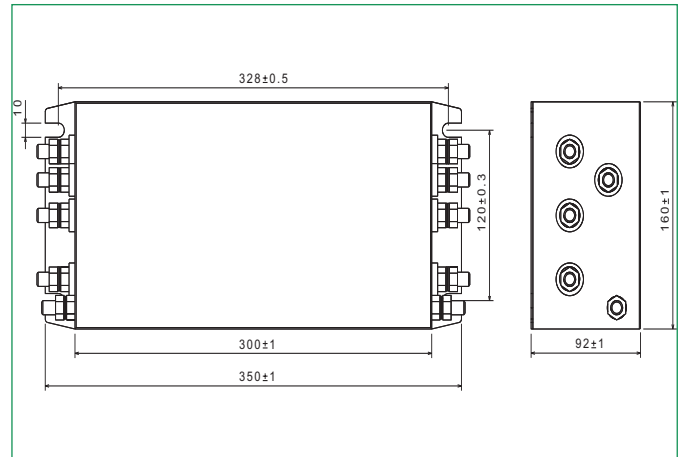
8A-50A



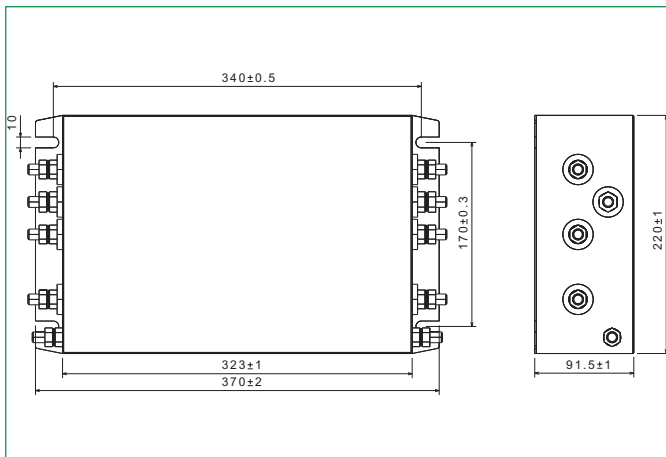
60A-100A



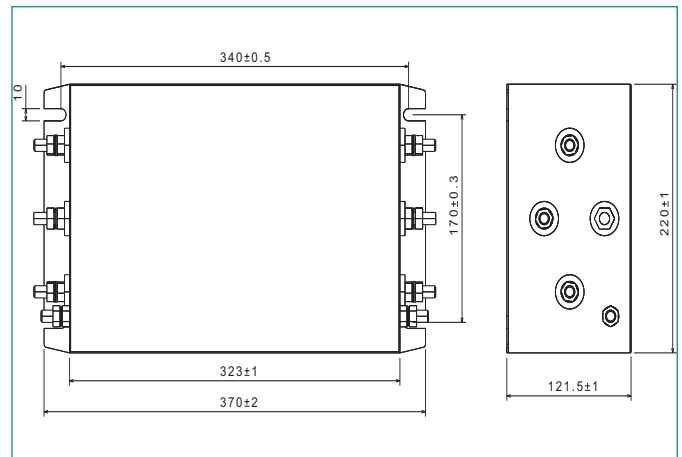
125A-150A



160A



200A-250A



All dimensions in mm; Tolerances according to ISO2768-C

Connectors Cross Sections

	4	10	16	25
				
Wire Section (mm ²)	4mm ²	10mm ²	16mm ²	25mm ²
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG
Wire Stripping	Max 10mm	Max 13.5mm	Max 17mm	Max 17mm
Max Recommended Torque	0.5 Nm / 4.5 in.lbs	1.2 Nm / 10.8 in.lbs	2 Nm / 18 in.lbs	2 Nm / 18 in.lbs

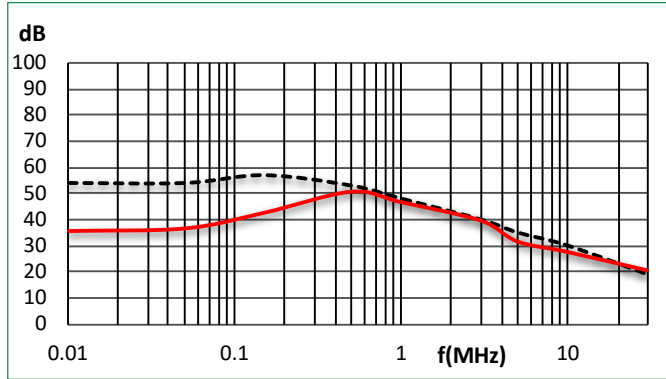
For Screw Type Connections

Thread Size	M10
Recommended Torque (Nm)	15-17
Earth Terminal (Nm)	15-17

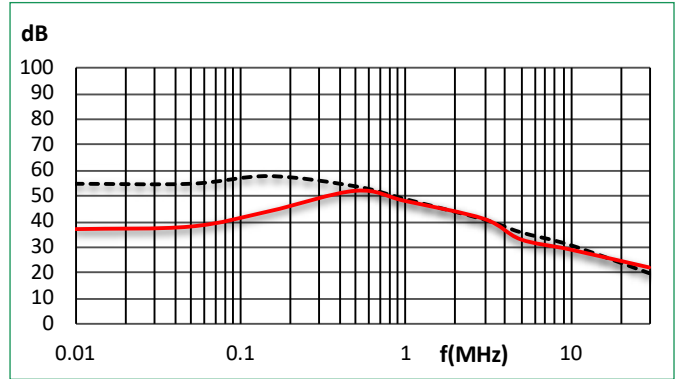
Insertion Loss : Common mode _____ Differential Mode

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

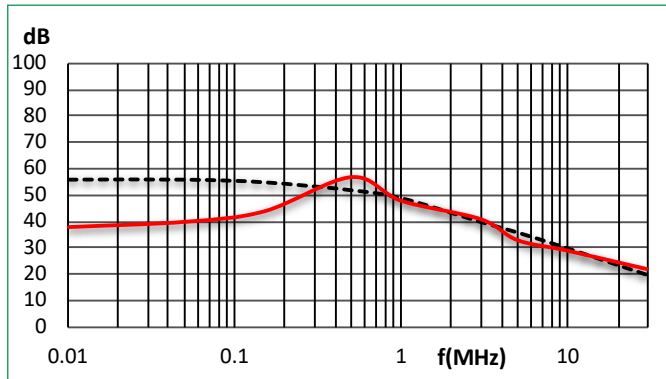
6A



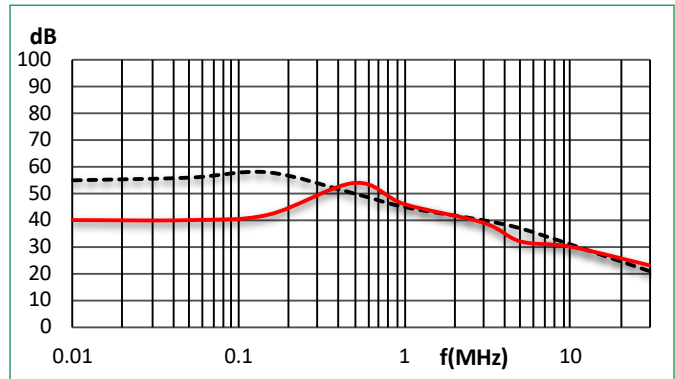
10A



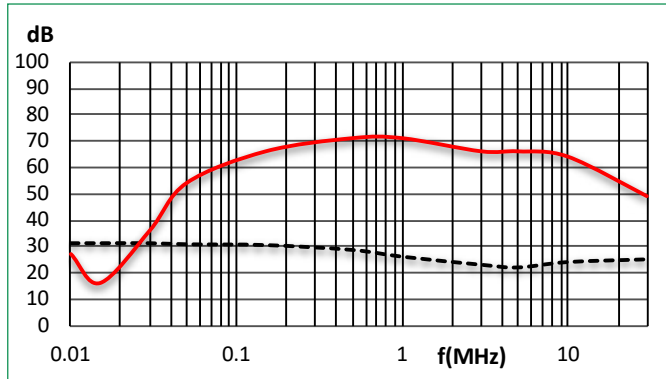
16A



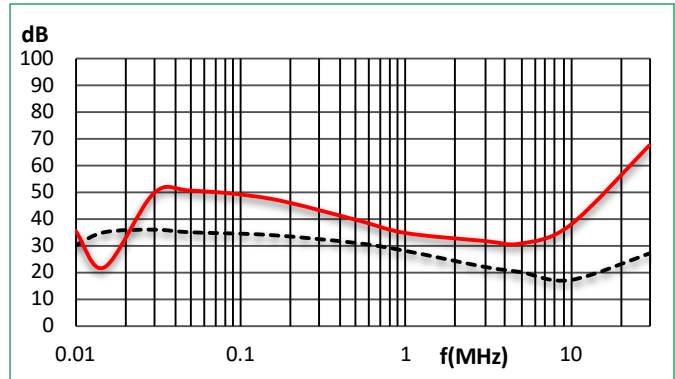
20A



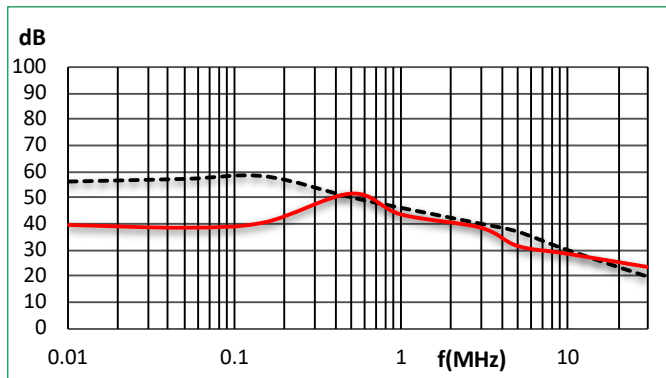
25A



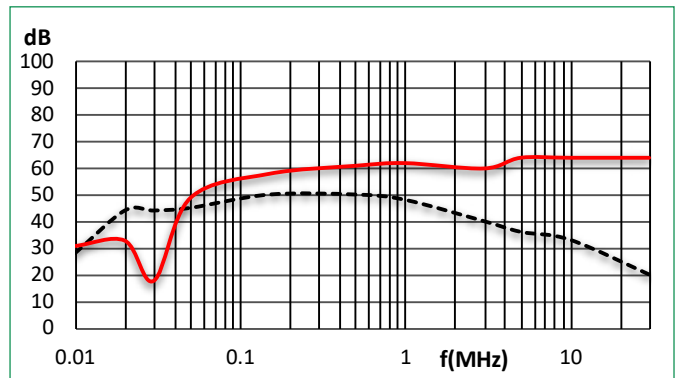
36A



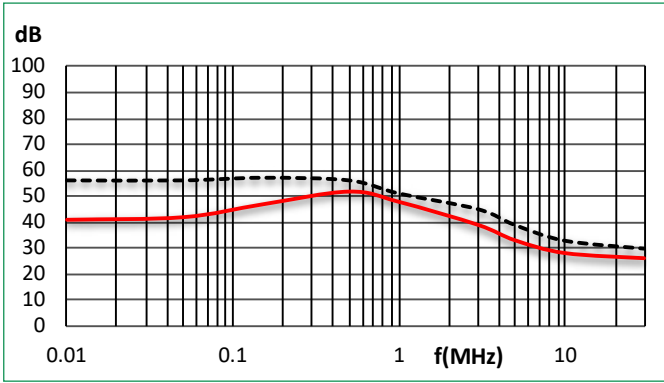
40A



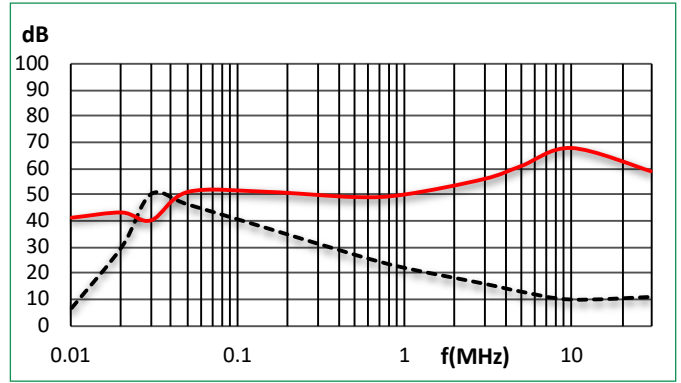
50A



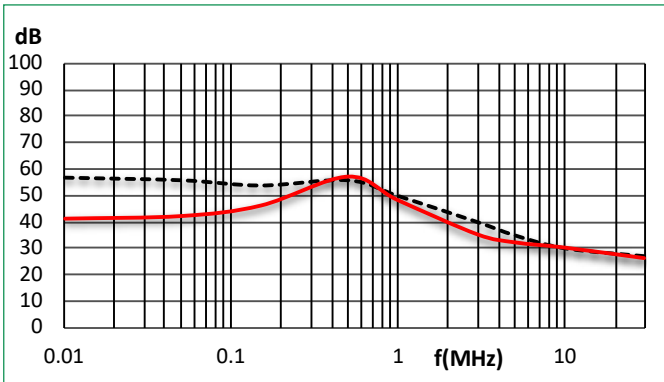
60A



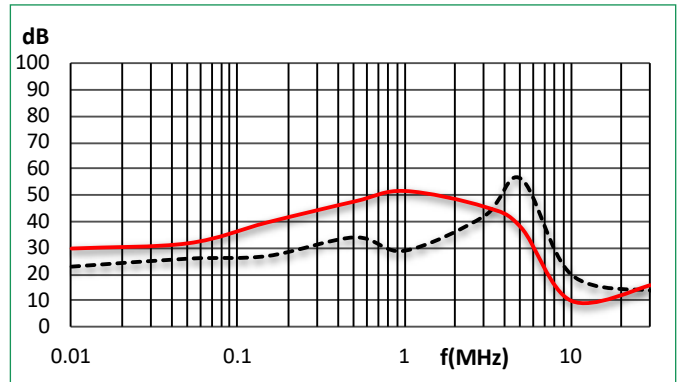
75A



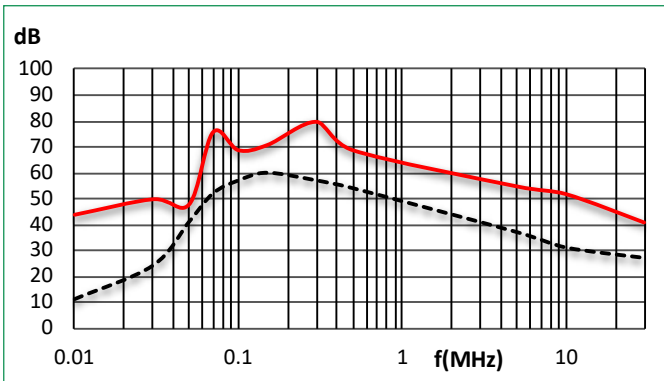
80A



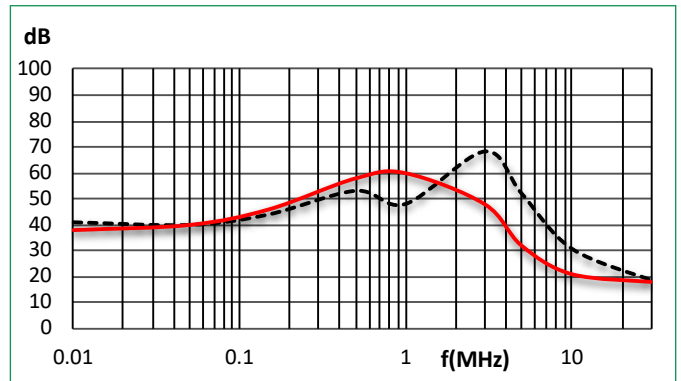
100A



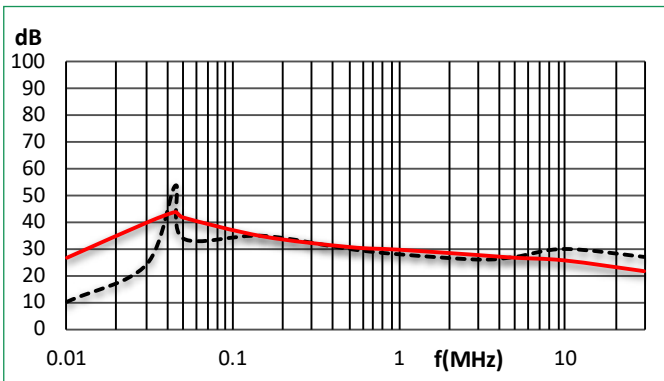
125A



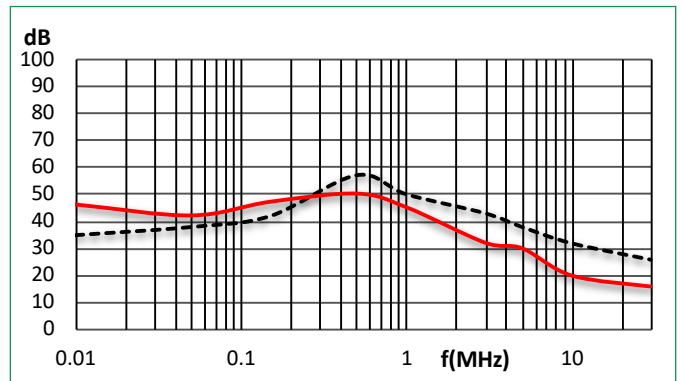
150A



160A



200A



250A

