



**Features:**

- Compact
- Superior Performance
- Chassis mounting 3 Phase Filter
- Shock proof terminals

**Applications:**

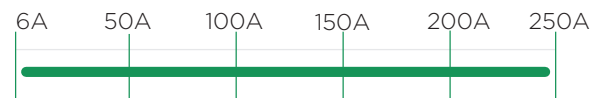
- CNC Machines
- AC/DC Drives
- Convertors
- Elevators
- HVAC
- SMPS

**DATA SHEET**
**THREE PHASE EMI FILTER - MF423 3 3D**
**Performance Indicator**

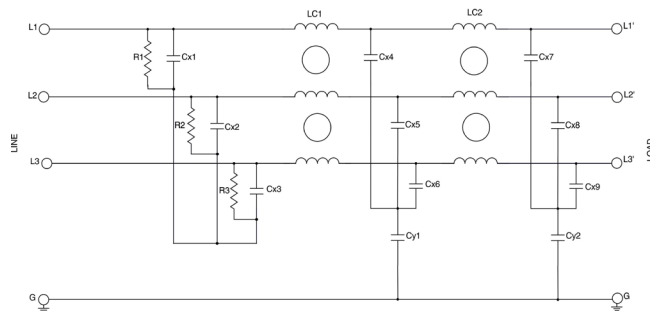
Standard	High	Very High
		

**Description**

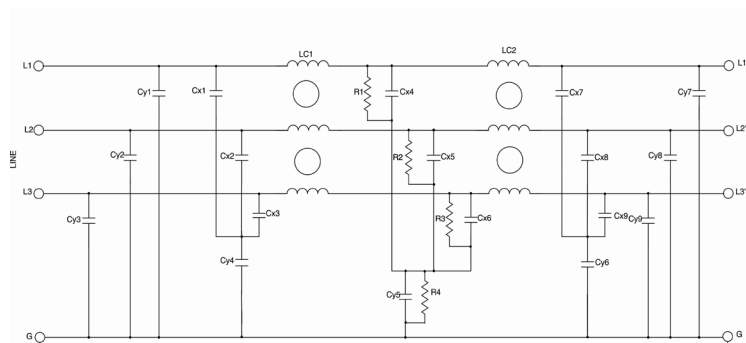
These series of Dual Stage filters designed for motor and power drive systems which can provide superior attenuation performance and suppress conducted noise even when high interference level are present.

**Rated current [A]**

**Typical circuit Diagram**

upto 100A





125A & Above



## 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

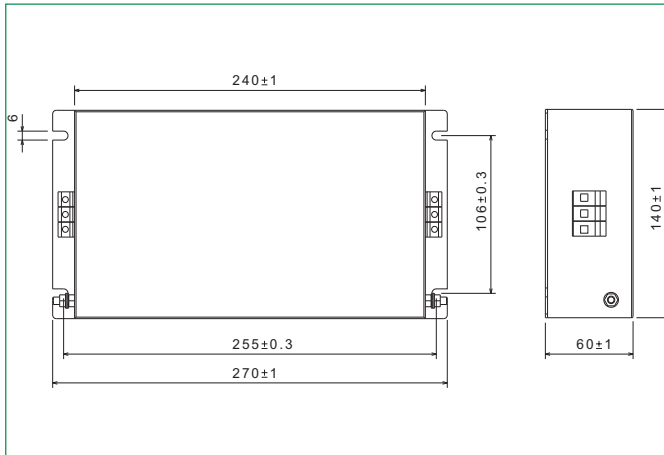
Model Number	Part Number (for 440VAC)	Part Number (for 550VAC)	Rated Current @40°C	Leakage current (mA)	Termination		Weight (Kg)
							
MF 423 3 3D	E100086-2	E100772-2	6A*	5	4		2.5
MF 423 3 3D	E100086-3	E100772-3	10A	5	4		2.5
MF 423 3 3D	E100086-4	E100772-4	15A*	5	4		2.5
MF 423 3 3D	E100086-5	E100772-5	20A	5	4		3
MF 423 3 3D	E100086-6	E100772-6	25A*	6	4		3
MF 423 3 3D	E100086-7	E100772-7	30A*	6	4		3
MF 423 3 3D	E100086-8	E100772-8	36A*	6	10		3
MF 423 3 3D	E100086-9	E100772-9	40A	6	10		3
MF 423 3 3D	E100086-10	E100772-10	50A*	6	10		3
MF 423 3 3D	E100086-11	E100772-11	60A	6	16		3
MF 423 3 3D	E100086-12	E100772-12	75A*	10	16		8
MF 423 3 3D	E100086-13	E100772-13	80A	10	25		8
MF 423 3 3D	E100086-14	E100772-14	100A	6	25		10.5
MF 423 3 3D	E100086-15	E100772-15	125A	20		M10	10.5
MF 423 3 3D	E100086-16	E100772-16	150A	20		M10	10.5
MF 423 3 3D	E100086-17	E100772-17	180A	20		M10	13
MF 423 3 3D	E100086-18	E100772-18	200A	20		M10	13
MF 423 3 3D	E100086-19	E100772-19	250A	20		M10	13

Note: \*not covered under NEMKO

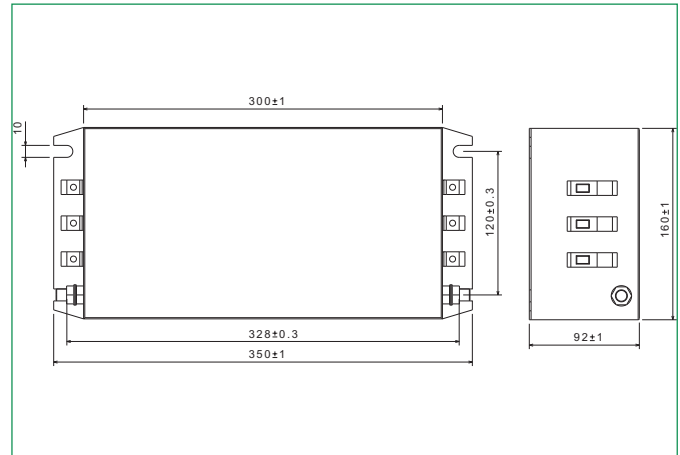
Filters with 520VAC are not covered under NEMKO.

## Mechanical Drawing:

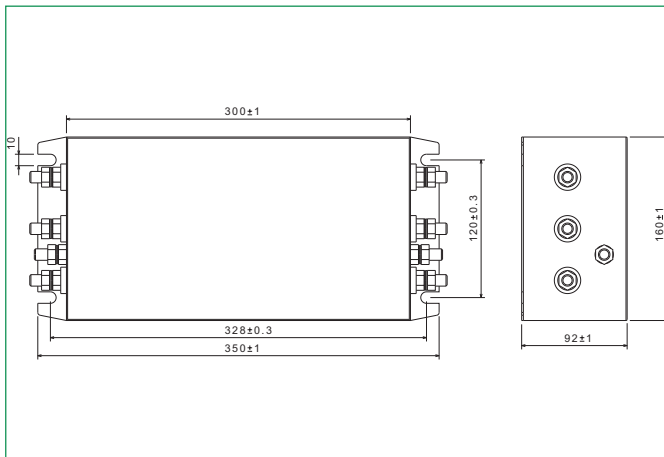
### 6A to 60A



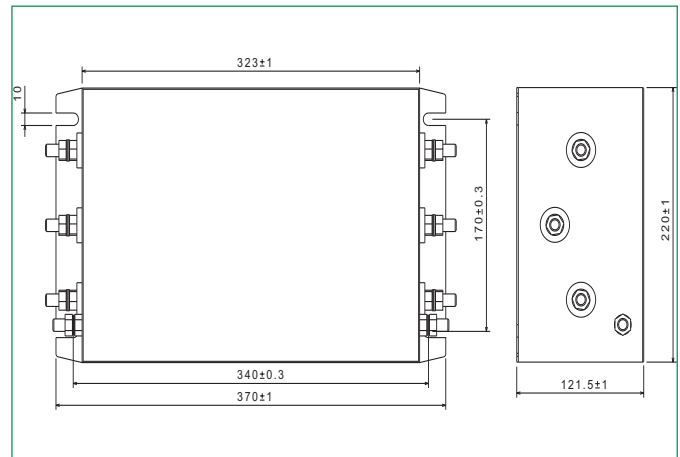
### 75A-100A



### 125A to 150A



### 180A-250A



All dimensions in mm; Tolerances according to ISO2768-m

## Connectors Cross Sections

	4	10	16	25
Wire Section (mm <sup>2</sup> )	4mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	25mm <sup>2</sup>
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

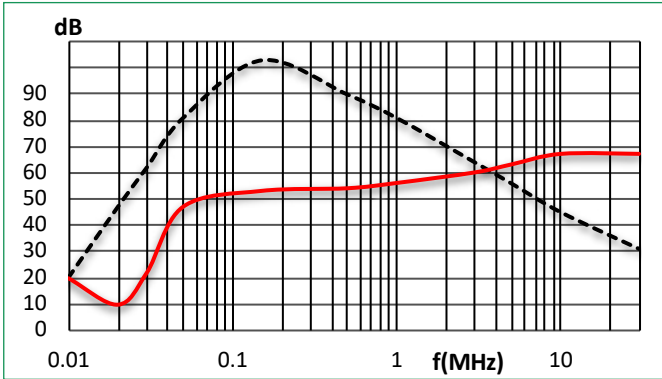
## For Screw Type Connections

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

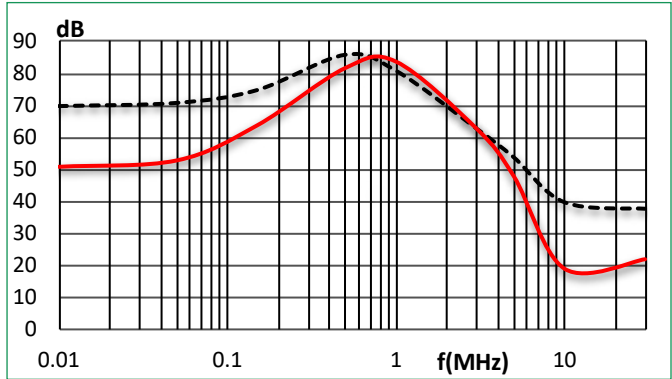
Insertion Loss : ..... Common mode \_\_\_\_\_ Differential Mode

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

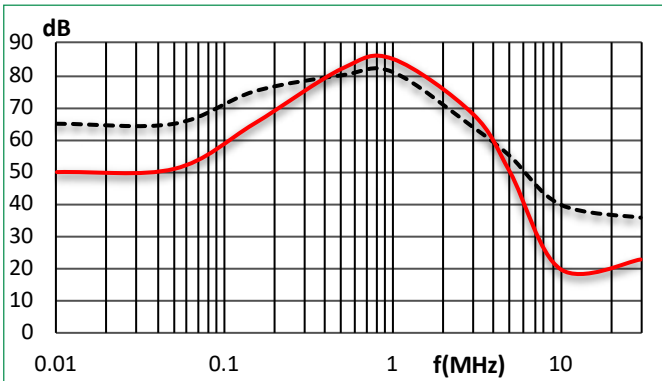
6A



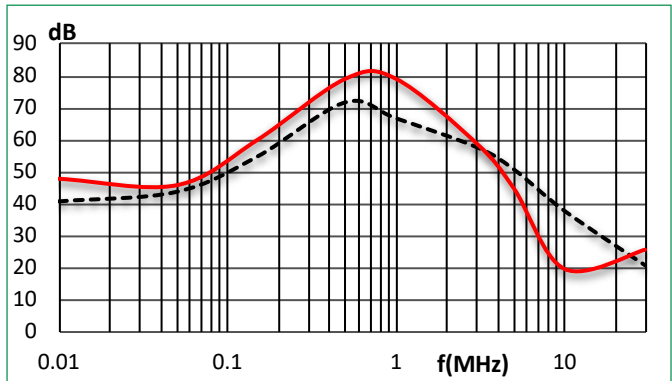
10A



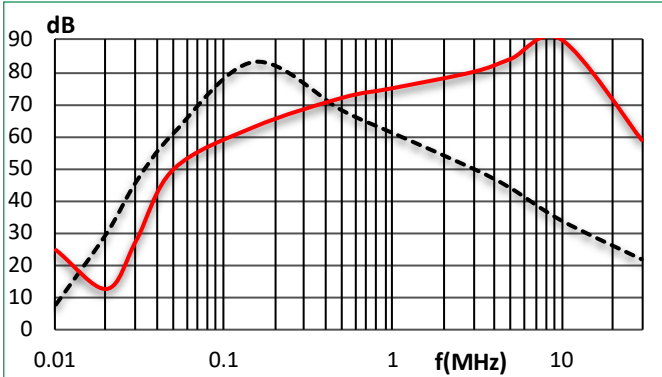
15A



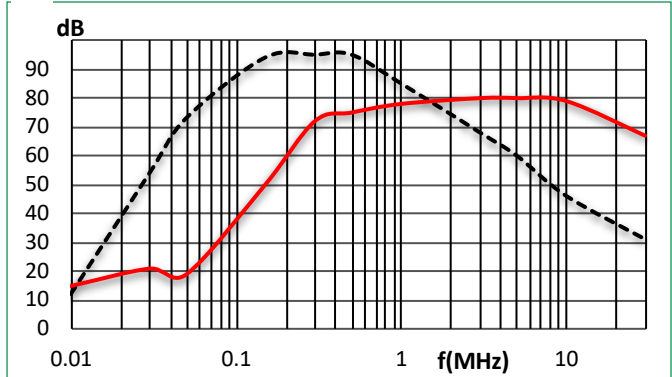
20A



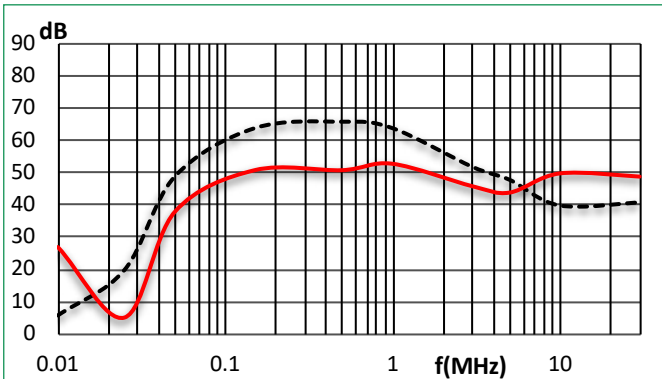
25A



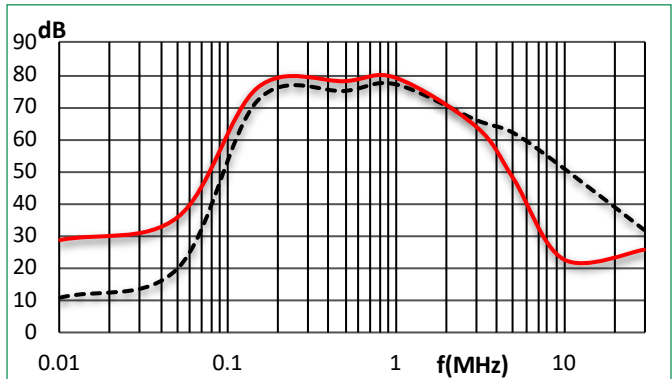
30A



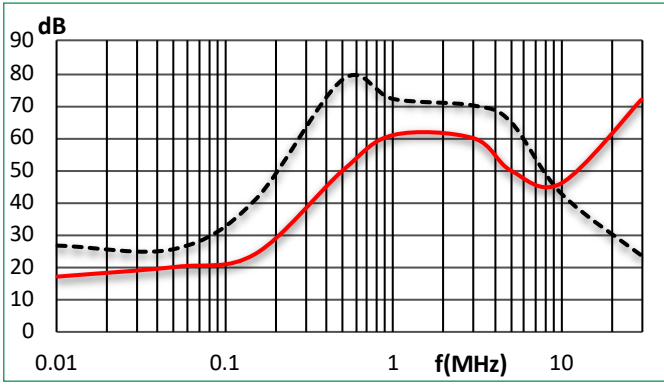
36A



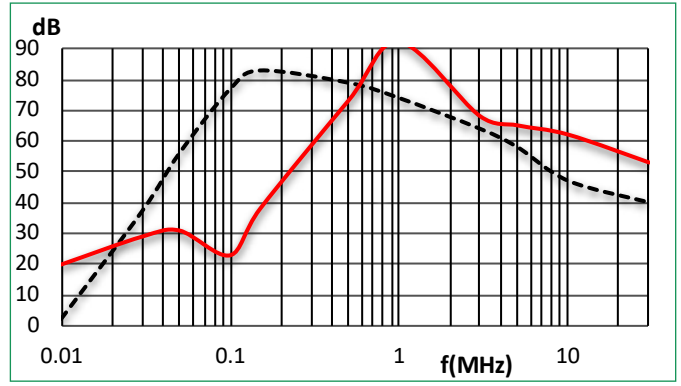
40A



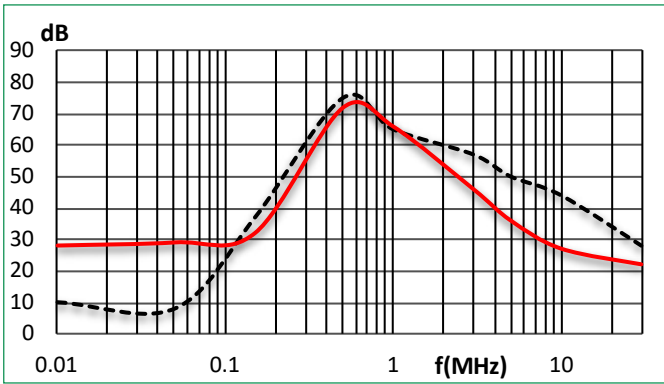
60A



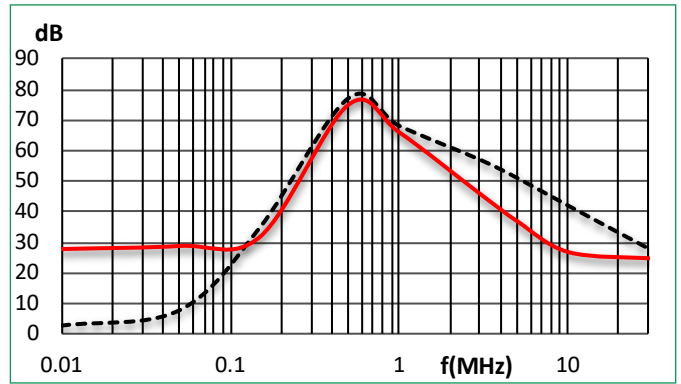
75A



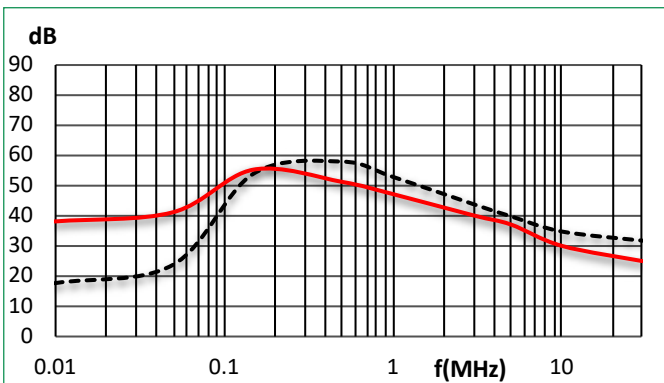
80A



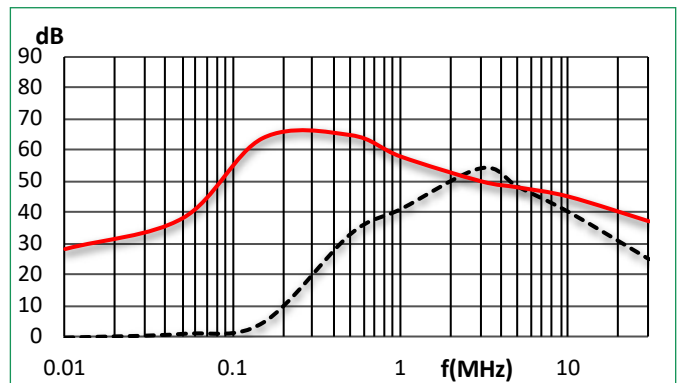
100A



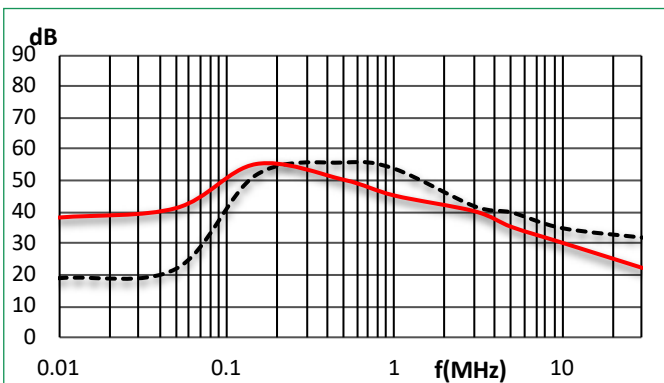
125A



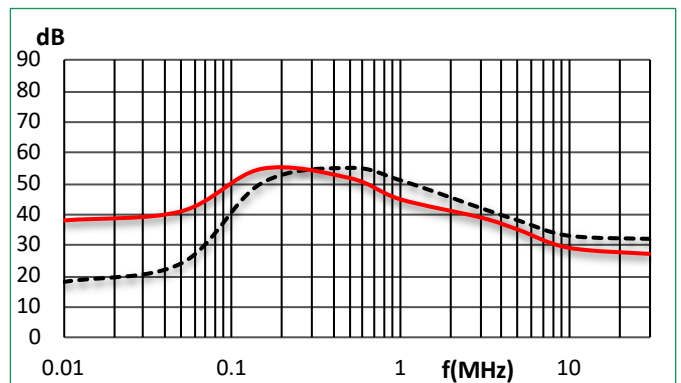
150A



180A



200A



## 250A

