


**Features:**

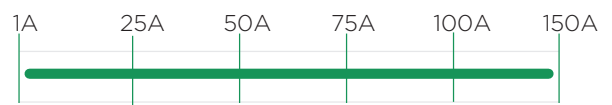
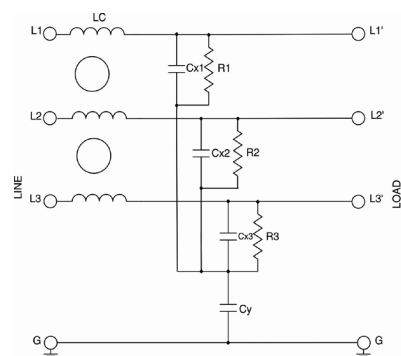
- General Purpose
- Compact
- Standard Attenuation Performance
- Chassis mounting 3 Phase Filter

**Applications:**

- CNC Machines
- Electronic Equipments
- Convertors
- Rectifier
- UPS/Inverters

**Performance Indicator**

Standard	High	Very High
█		




**Rated current [A]**

**Typical circuit Diagram**

**DATA SHEET**
**THREE PHASE EMI FILTER - MF423 3W**
**Description**

These series range of three phase General Purpose filters are designed to use in wide range of applications. They reduce Electromagnetic interference and helps in maintaining compliance with emission standards.

**Technical Specifications:**

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60 Hz
Current ratings	: 1A 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	: 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

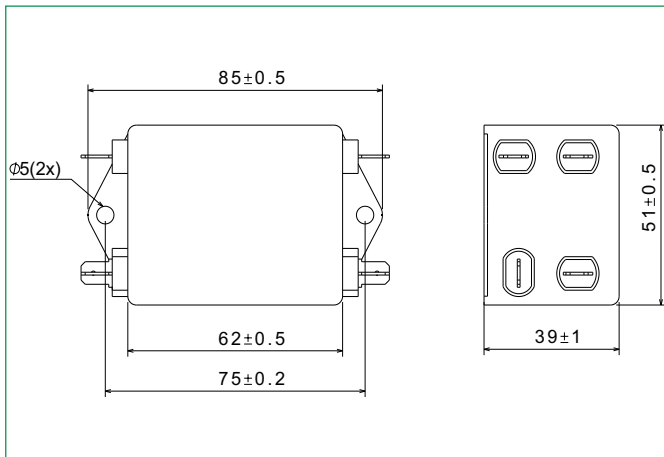
Model Number	Part Number (for 440VAC)	Part Number (for 520VAC)	Leakage Current (mA)	Rated Current @40°C	Termination			Weight (Kg)
								
MF 423 3W	E100042-2	E100768-2	3	1A	6.3 X 0.8			0.26
MF 423 3W	E100042-3	E100768-3	3	3A	6.3 X 0.8			0.26
MF 423 3W	E100042-4	E100768-4	3	6A	6.3 X 0.8			0.26
MF 423 3W	E100042-5	E100768-5	3	10A	6.3 X 0.8			0.26
MF 423 3W	E100042-6	E100768-6	3	15A*		M5		0.7
MF 423 3W	E100042-7	E100768-7	3	16A*		M5		0.7
MF 423 3W	E100042-8	E100768-8	3	20A*		M5		0.7
MF 423 3W	E100042-9	E100768-9	5	25A*		M5		0.7
MF 423 3W	E100042-10	E100768-10	5	26A*		M5		0.7
MF 423 3W	E100042-11	E100768-11	5	30A*		M5		0.7
MF 423 3W	E100042-12	E100768-12	5	32A*		M5		0.7
MF 423 3W	E100042-13	E100768-13	5	40A*		M5		0.7
MF 423 3W	E100042-14	E100768-14	5	50A*		M6		1.2
MF 423 3W	E100042-15	E100768-15	5	60A*		M6		1.2
MF 423 3W	E100042-16	E100768-16	6	75A		M8		8
MF 423 3W	E100042-17	E100768-21	6	75A*			16	8
MF 423 3W	E100042-19	E100768-17	6	80A*		M8		8
MF 423 3W	E100042-18	E100768-22	6	80A*			25	8
MF 423 3W	E100042-21	E100768-18	6	100A*		M10		8
MF 423 3W	E100042-20	E100768-23	6	100A*			25	8
MF 423 3W	E100042-23	E100768-19	8	125A*		M10		8
MF 423 3W	E100042-25	E100768-20	8	150A*		M10		8

Note: \*not covered under NEMKO

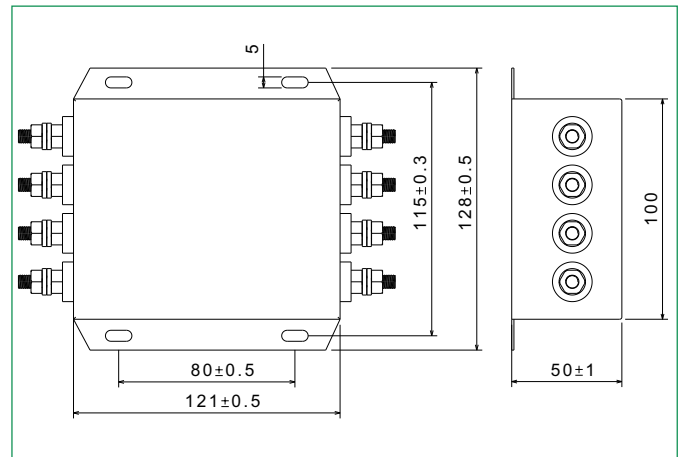
Filters with 520VAC are not covered under NEMKO.

## Mechanical Drawing:

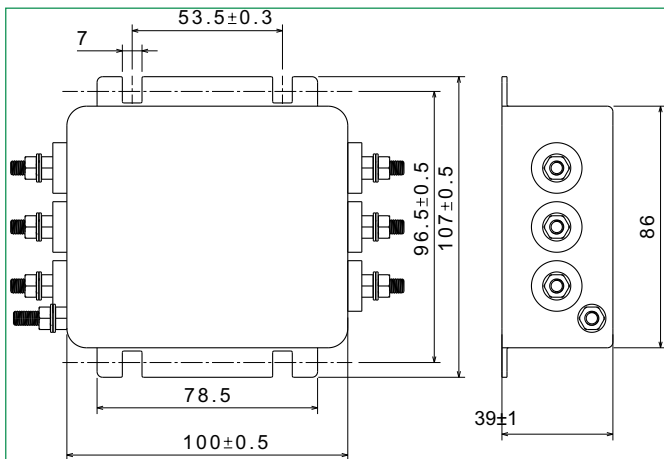
### 1A to 10A



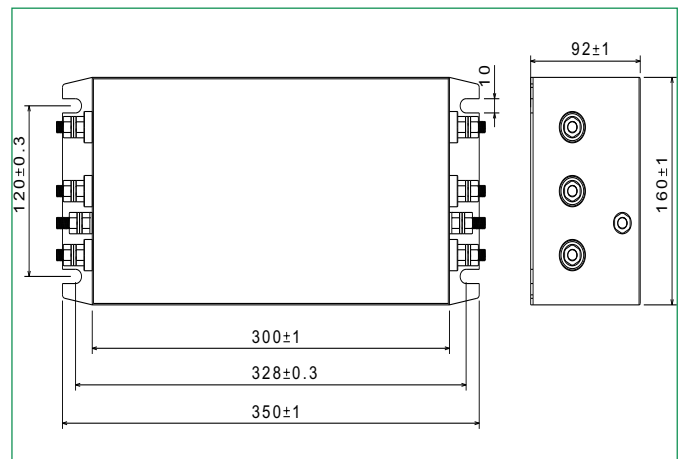
### 15A-40A



### 50A to 60A



### 75A-150A



All dimensions in mm; Tolerances according to ISO2768-C

## Connectors Cross Sections

	16	25
Wire Section (mm <sup>2</sup> )	16mm <sup>2</sup>	25mm <sup>2</sup>
Wire Section (AWG)	6 AWG	4 AWG
Wire Stripping	Max 17mm	Max 17mm
Max Recommended Torque	2 Nm / 18 in.lbs	2 Nm / 18 in.lbs

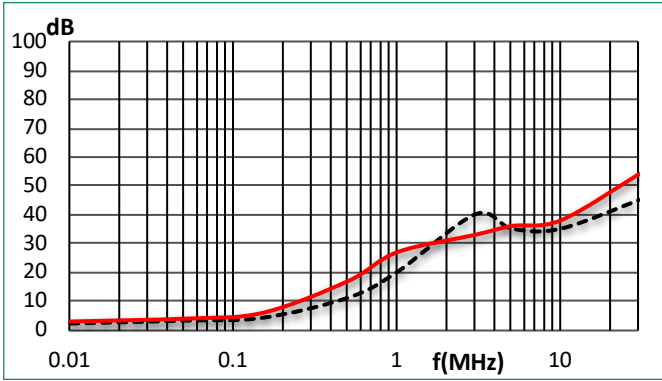
## For Screw Type Connections

Thread Size	M5	M6	M8	M10
Recommended Torque (Nm)	2-2.2	3.5-4	8-9	15-17
Earth Terminal (Nm)	2-2.2	3.5-4	8-9	15-17

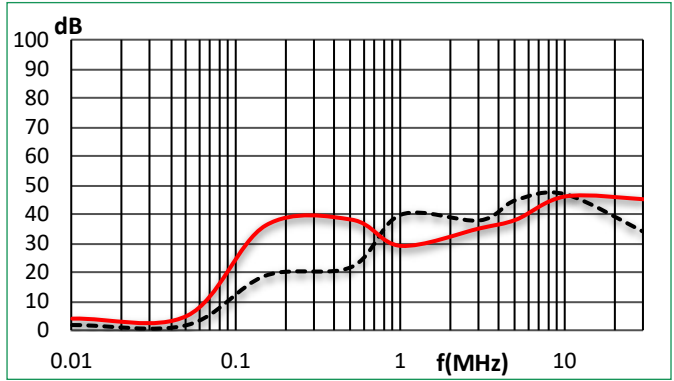
Insertion Loss : ..... Common mode \_\_\_\_\_ Differential Mode

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

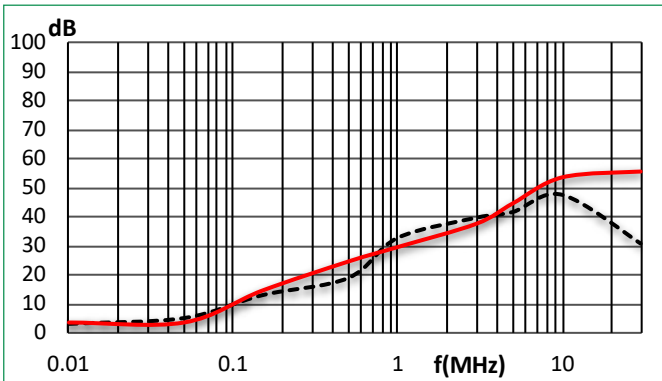
1A



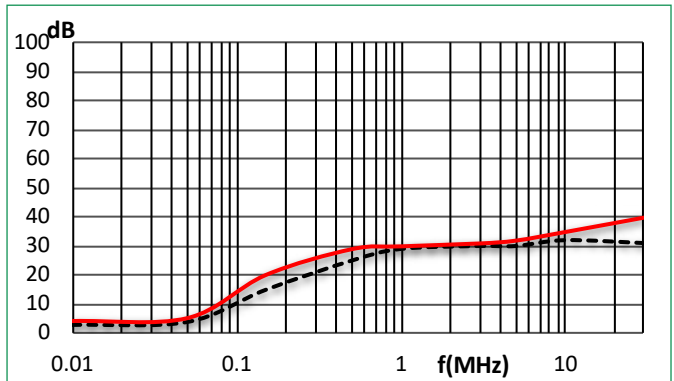
3A



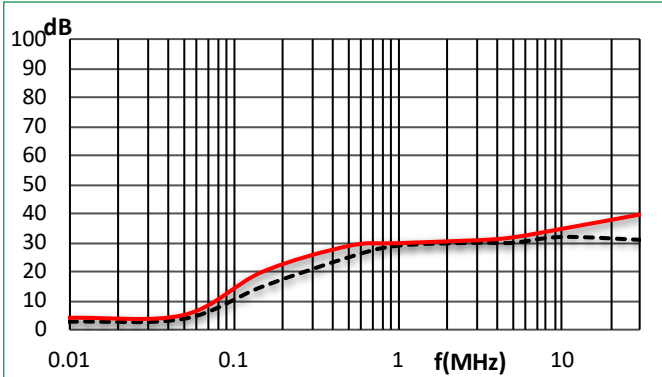
6A



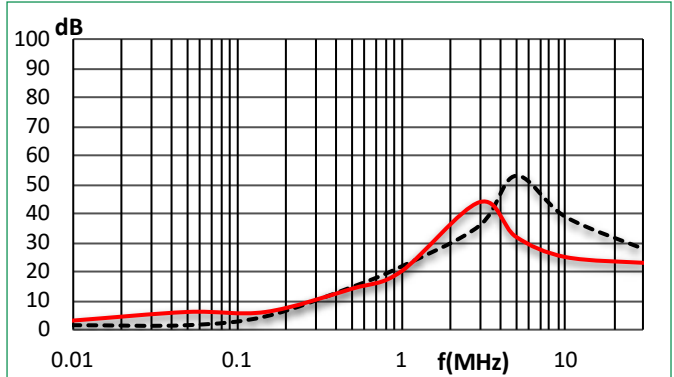
10A



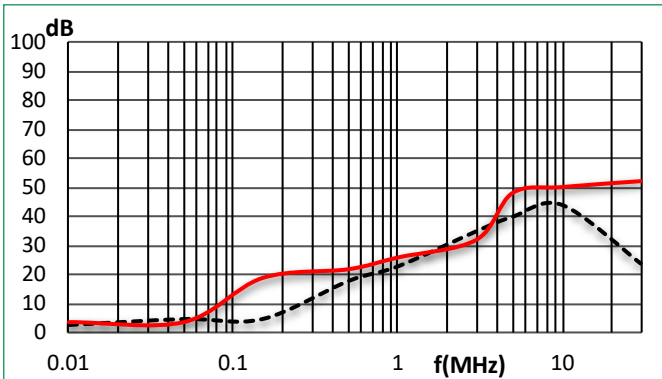
15A



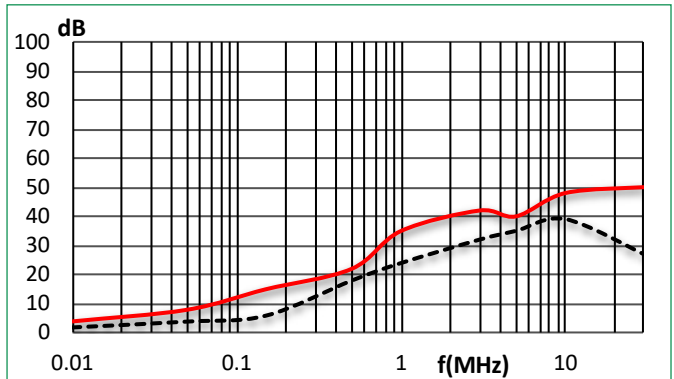
20A



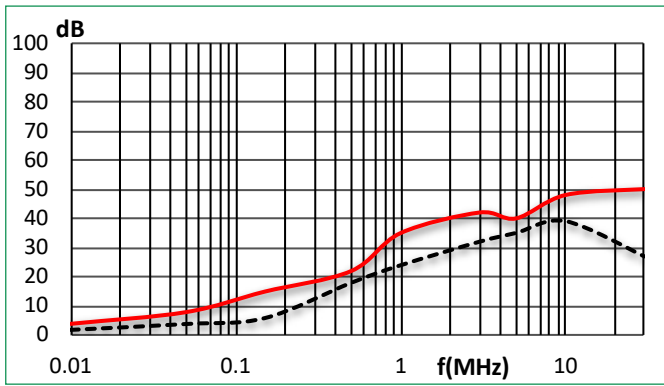
25A



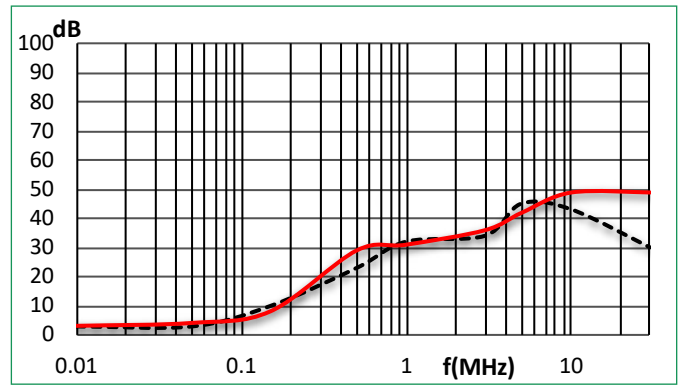
30A



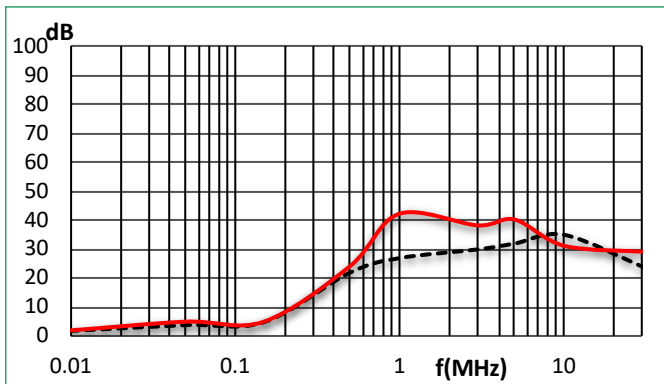
### 40A



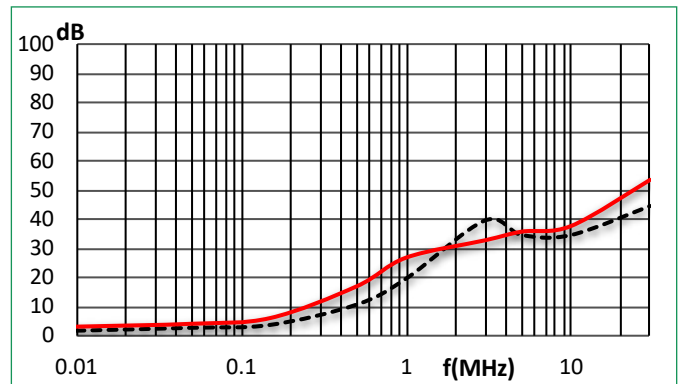
### 50A



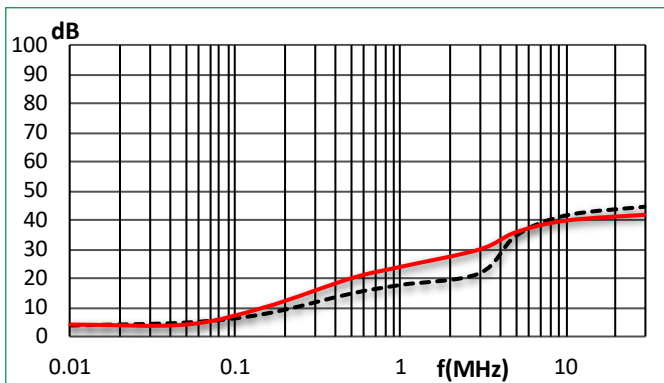
### 60A



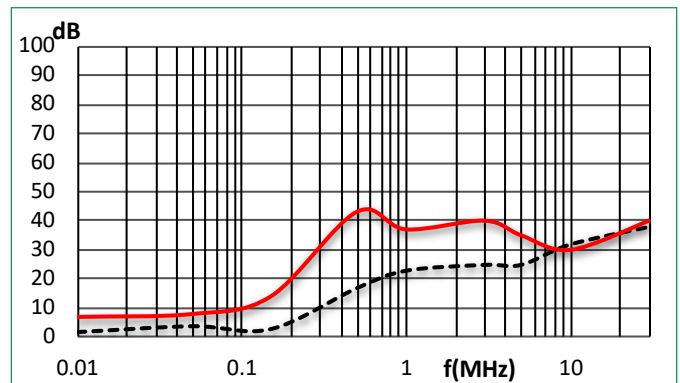
### 75A



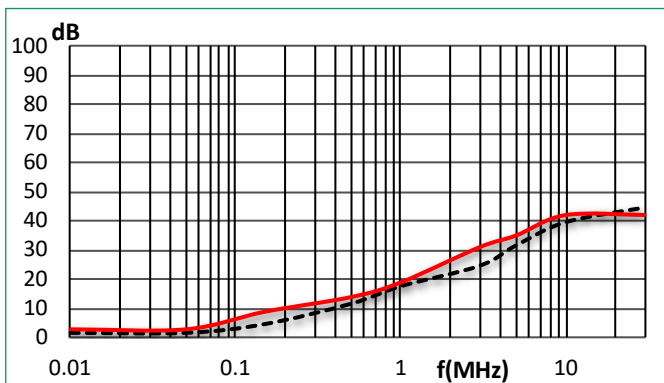
### 80A



### 100A



### 125A



### 150A

