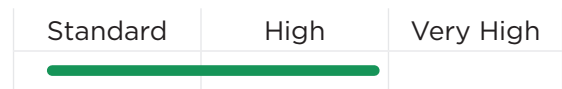
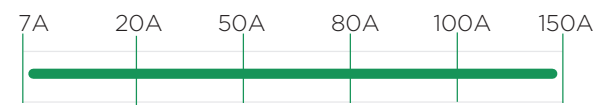
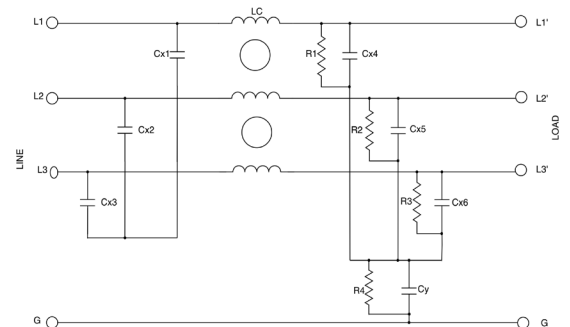



**Features:**

- 3 Phase filters for drives/invertors
- Compact/Light Weight/Cost Effective
- Bookshelf Design
- 7A to 150A Current rating

**Applications:**

- AC/DC Drives
- Generator
- Wind Turbine
- Fuel Cells
- Elevators


**Performance Indicator**

**Rated current [A]**

**Typical circuit Diagram**

**DATA SHEET**
**THREE PHASE EMI FILTER - MF423 3 2D BS**
**Description**

These series range of three phase filters with book shelf design is designed for motor drive applications requiring minimum space and convenient installation with superior performance at significant interference levels.

**Technical Specifications:**

Maximum Continuous Operating Voltage	: 440/520VAC
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	: 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

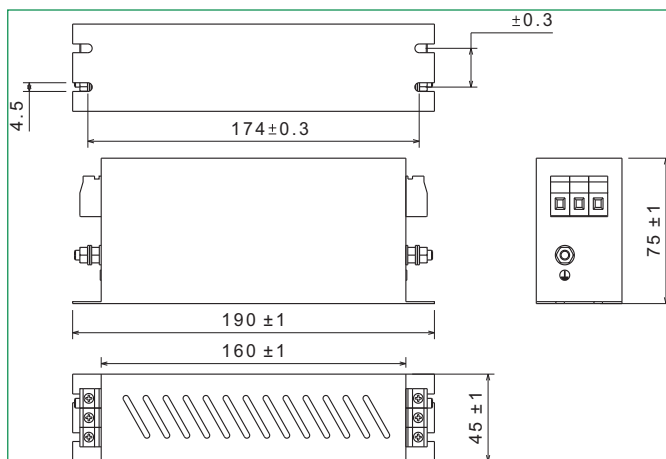
## Ordering Information

Model Number	Part Number (for 440VAC)	Part Number (for 520VAC)	Rated Current @40°C	Typical Drive power rating (440VAC ) (kw)	Leakage current (mA)	Termination 	Weight (Kg)
MF 423 3 2D BS	E100072-2	E101379-2	7A	4	10	4	0.6
MF 423 3 2D BS	E100072-3	E101379-3	16A	7.5	10	4	0.8
MF 423 3 2D BS	E100072-4	E101379-4	30A	15	10	4	0.8
MF 423 3 2D BS	E100072-5	E101379-5	42A	22	15	10	1.2
MF 423 3 2D BS	E100072-6	E101379-6	55A	30	15	10	2
MF 423 3 2D BS	E100072-7	E101379-7	75A	37	15	16	2
MF 423 3 2D BS	E100072-8	E101379-8	100A	55	15	25	3
MF 423 3 2D BS	E100072-9	E101379-9	120A	73	15	50	4
MF 423 3 2D BS	E100072-10	E101379-10	150A	90	15	50	4

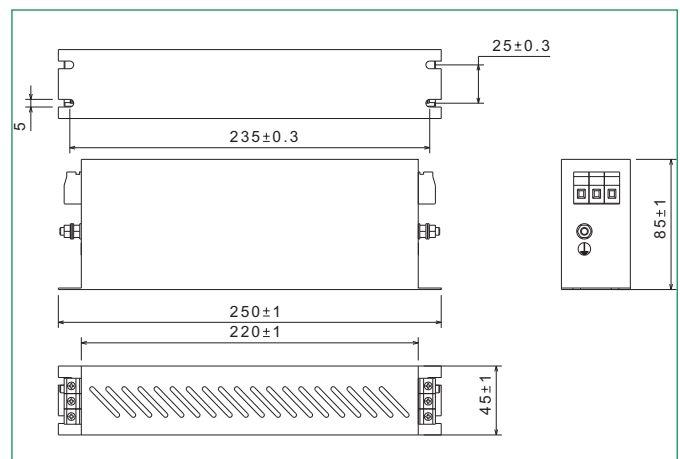
\*Filters with 520VAC are not covered under NEMKO.

## Mechanical Drawing:

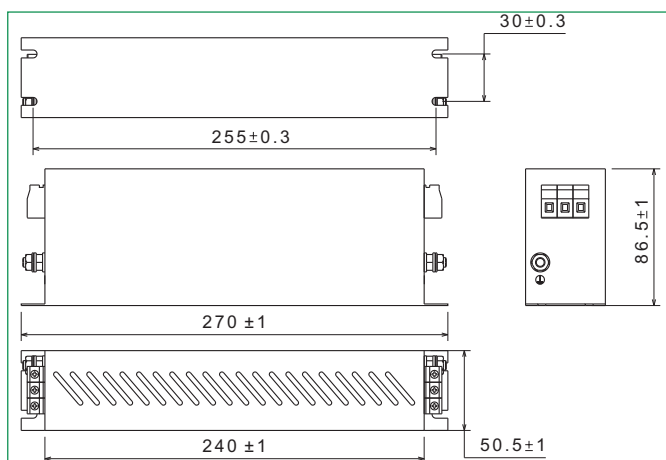
### 7A



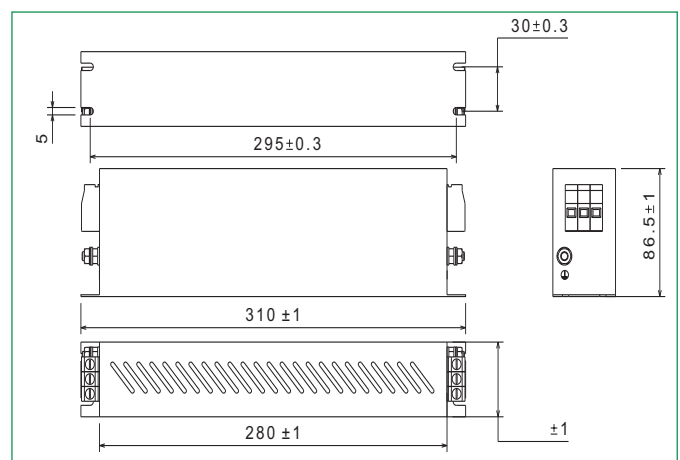
### 16A



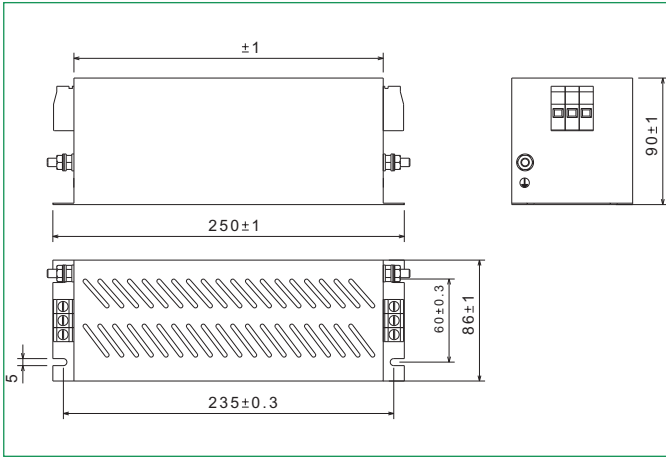
### 30A



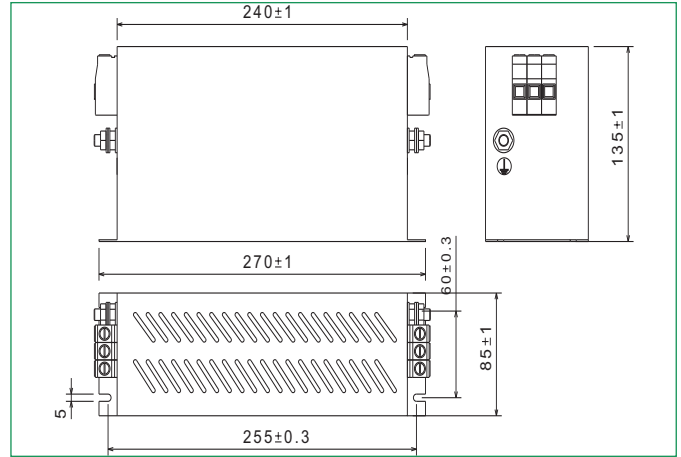
### 42A



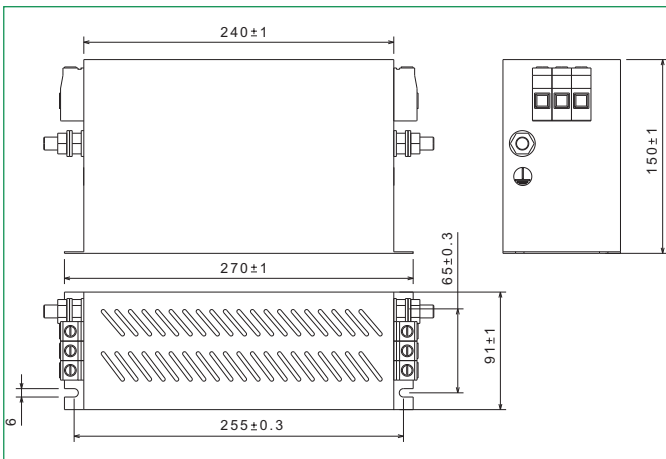
**55A**



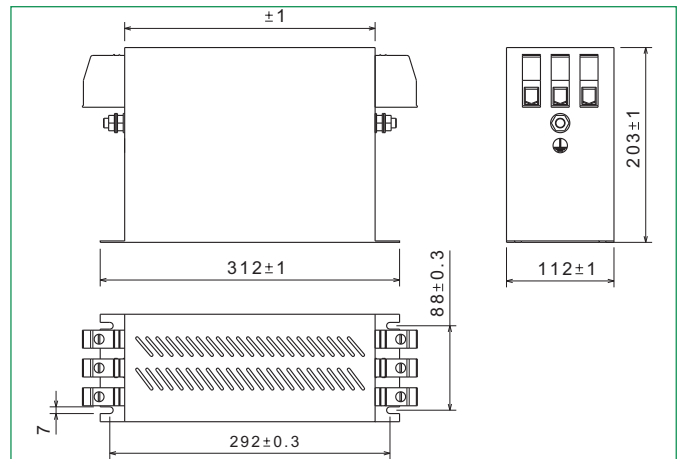
**75A**



**100A**



**120A-150A**



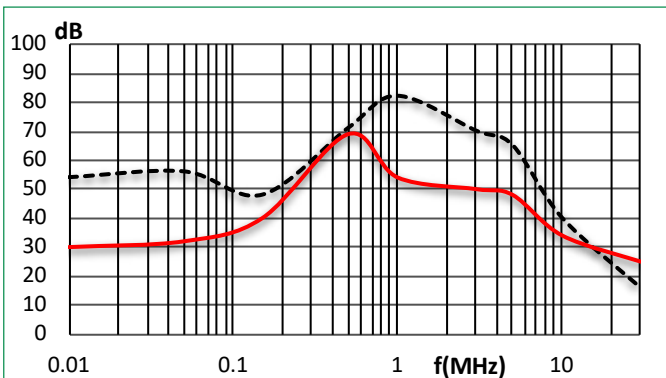
**Connectors Cross Sections**

	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

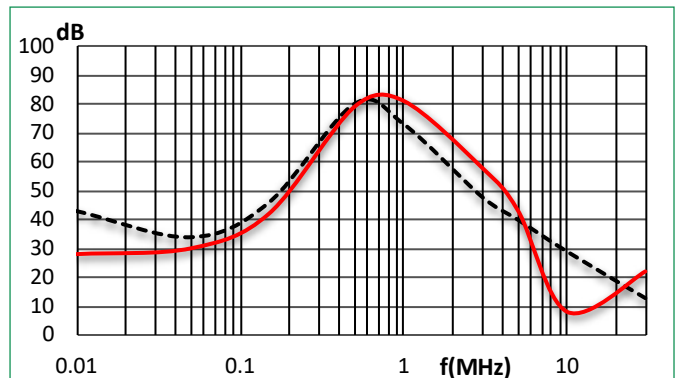
Insertion Loss : ..... Common mode \_\_\_\_\_ Differential Mode

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

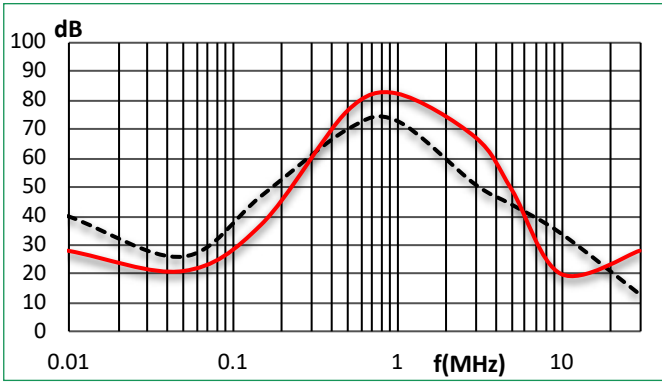
**7A**



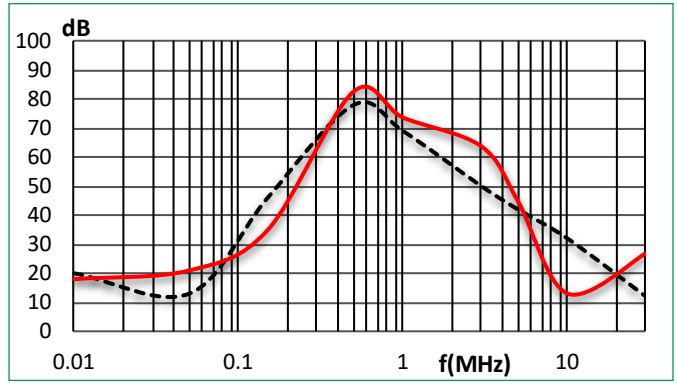
**16A**



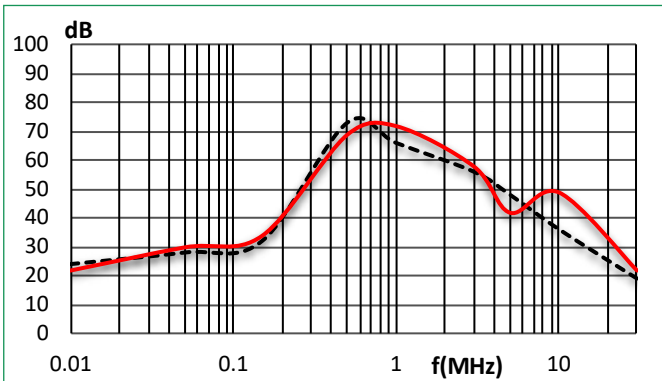
30A



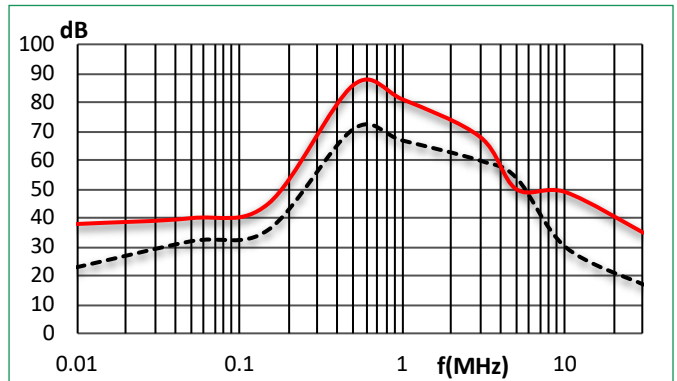
42A



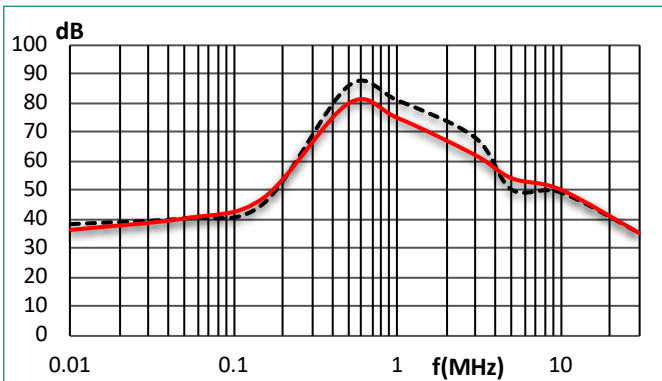
55A



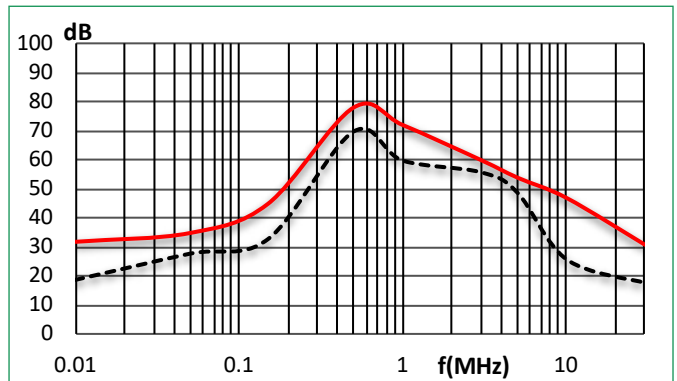
75A



100A



120A



150A

