


Features:

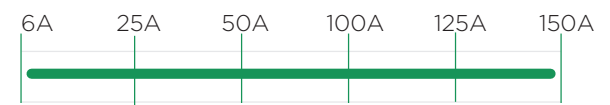
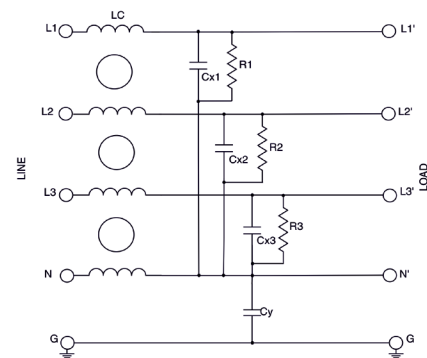
- General Purpose
- Compact
- Standard Attenuation Performance
- Chassis mounting 3 Phase Filter 4 Wire

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 4W
Description

These series range of Three Phase General Purpose filters with neutral designed to use in wide range of applications. They provide cost effective Electromagnetic interference suppression 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

Ordering Information

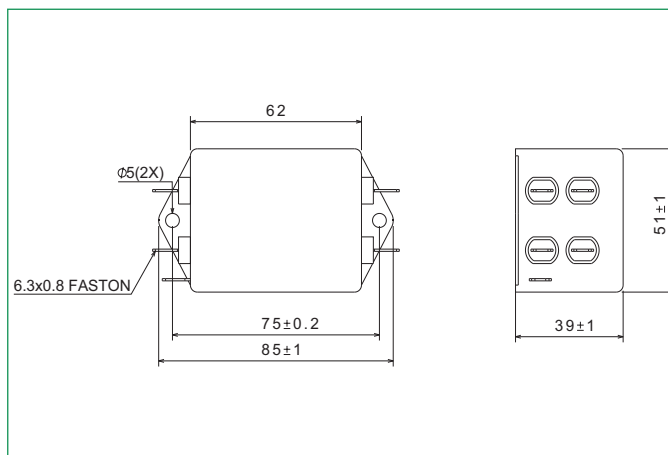
Model Number	Part Number (for 440VAC)	Part Number (for 520VAC)	Leakage current (mA)	Rated Current @40°C	Termination			Weight (Kg)
								
MF 423 4W	E100066-2	E100769-2	3	1A	6.3 x 0.8			0.26
MF 423 4W	E100066-3	E100769-3	3	3A	6.3 x 0.8			0.26
MF 423 4W	E100066-4	E100769-4	3	6A	6.3 x 0.8			0.26
MF 423 4W	E100066-5	E100769-5	3	10A	6.3 x 0.8			0.26
MF 423 4W	E100066-6	E100769-6	3	15A*		M5		0.7
MF 423 4W	E100066-7	E100769-7	3	16A*		M5		0.7
MF 423 4W	E100066-8	E100769-8	3	20A*		M5		0.7
MF 423 4W	E100066-9	E100769-9	5	25A*		M5		0.7
MF 423 4W	E100066-10	E100769-10	5	26A*		M5		0.7
MF 423 4W	E100066-11	E100769-11	5	30A*		M5		0.7
MF 423 4W	E100066-12	E100769-12	5	32A*		M5		0.7
MF 423 4W	E100066-13	E100769-13	5	40A*		M5		0.7
MF 423 4W	E100066-15	E100769-15	5	50A		M6		1.2
MF 423 4W	E100066-16	E100769-16	5	60A*		M6		1.2
MF 423 4W	E100066-17	E100769-17	6	75A*		M8		9
MF 423 4W	E100066-18	E100769-18	6	75A*			16	9
MF 423 4W	E100066-19	E100769-19	6	80A*		M8		9
MF 423 4W	E100066-20	E100769-20	6	80A*			25	9
MF 423 4W	E100066-21	E100769-21	6	100A*		M10		9
MF 423 4W	E100066-22	E100769-22	8	100A*			25	9
MF 423 4W	E100066-23	E100769-23	8	125A*		M10	25	9
MF 423 4W	E100066-24	E100769-24	8	150A*		M10	25	9

Note: * not covered under NEMKO

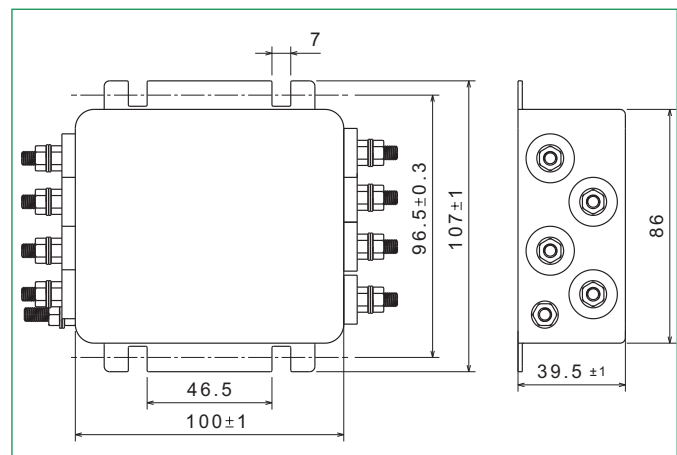
Filters with 520VAC are not covered under NEMKO

Mechanical Drawing:

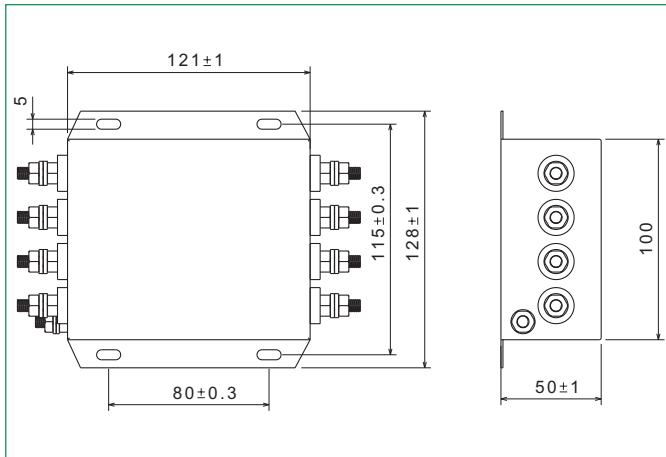
1A-10A



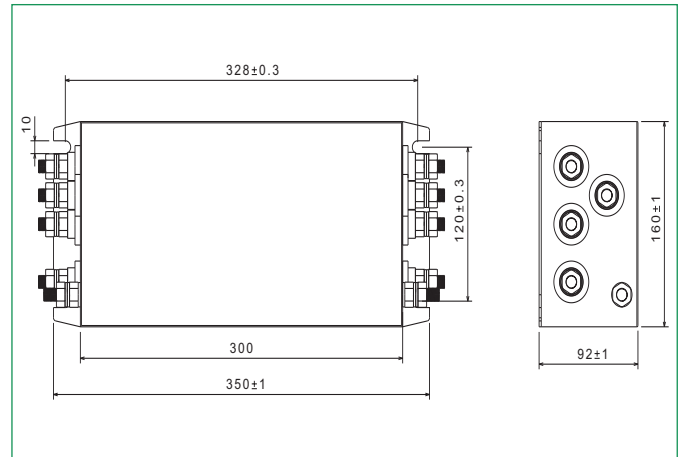
15A-40A



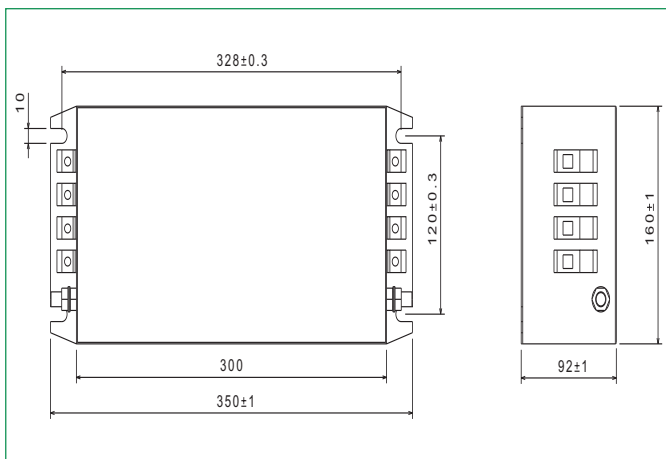
50A-60A



75A-150A




75A-100A(Connector Type)



All dimensions in mm; Tolerances according to ISO2768-C

Connectors Cross Sections

	16	25
		
Wire Section (mm ²)	16mm ²	25mm ²
Wire Section (AWG)	6 AWG	4 AWG
Wire Stripping	Max 17mm	Max 17mm
Max Recommended Torque	2-2.2 Nm / 18-19.8 in.lbs	2 Nm / 18 in.lbs

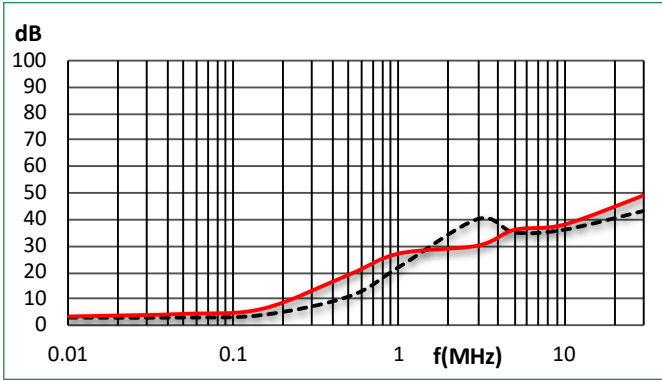
For Screw Type Connections

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

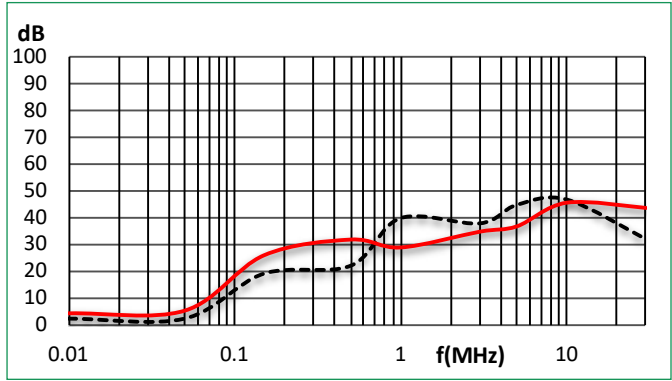
Insertion Loss : Common mode _____ Differential Mode

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

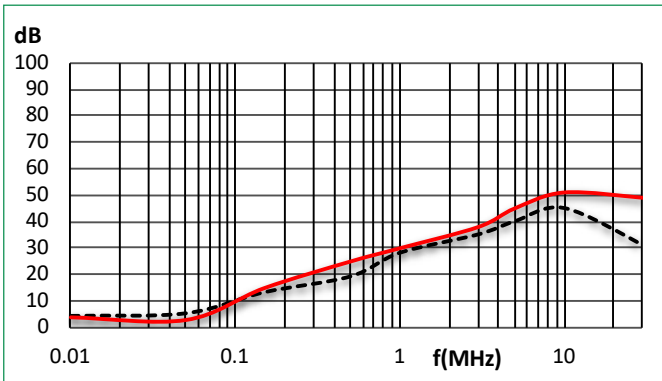
1A



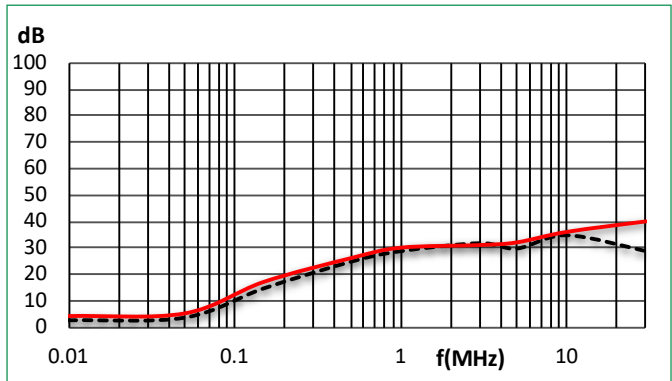
3A



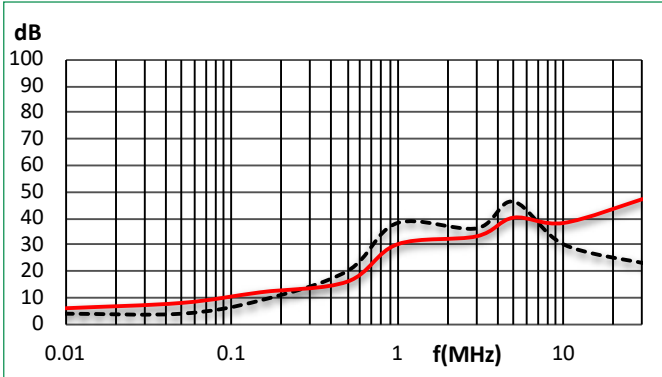
6A



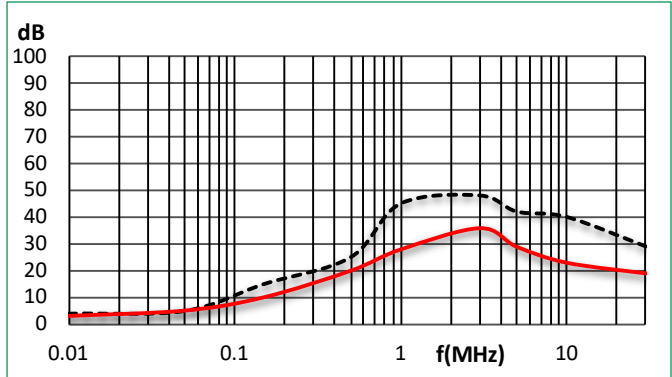
10A



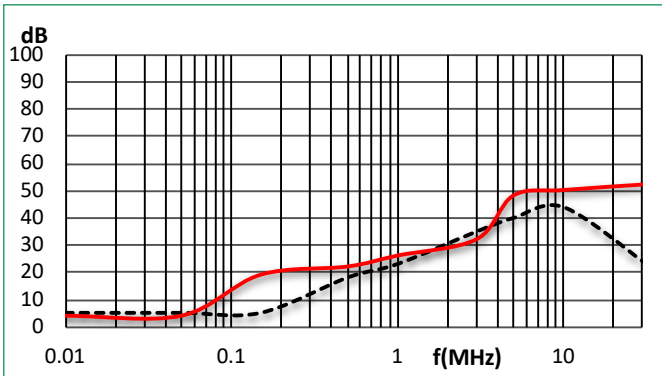
15A



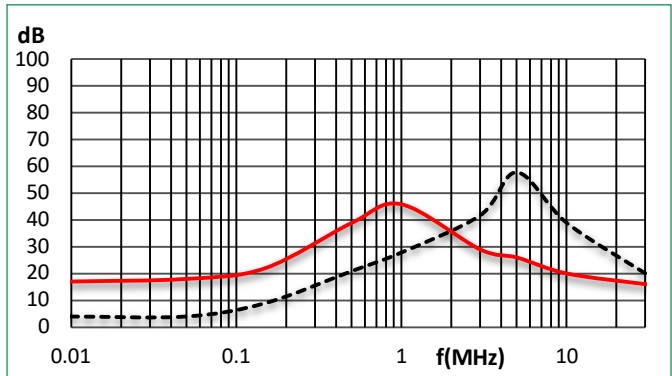
20A



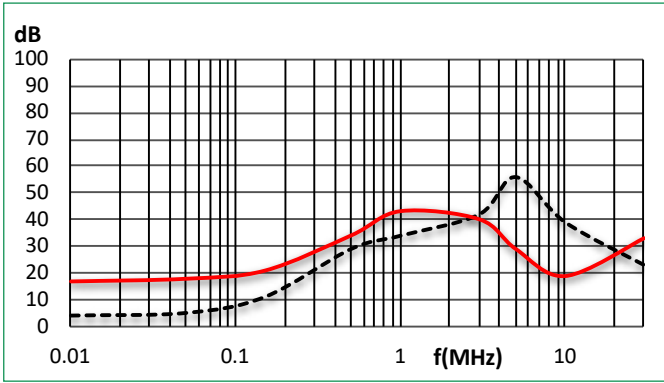
25A



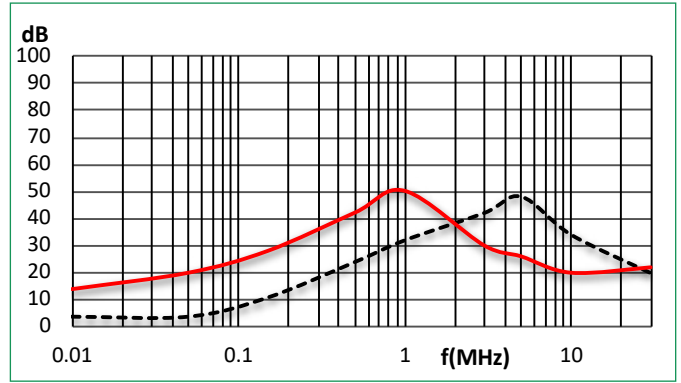
30A



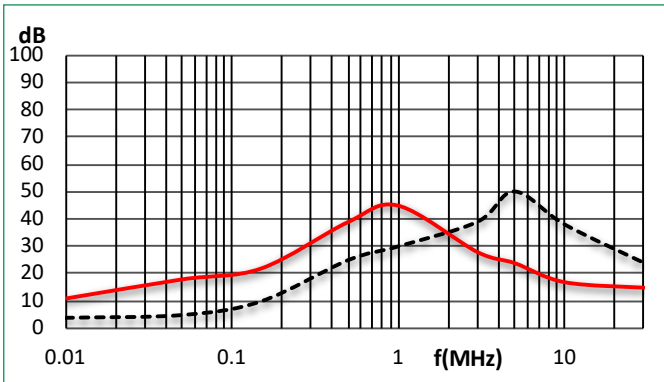
40A



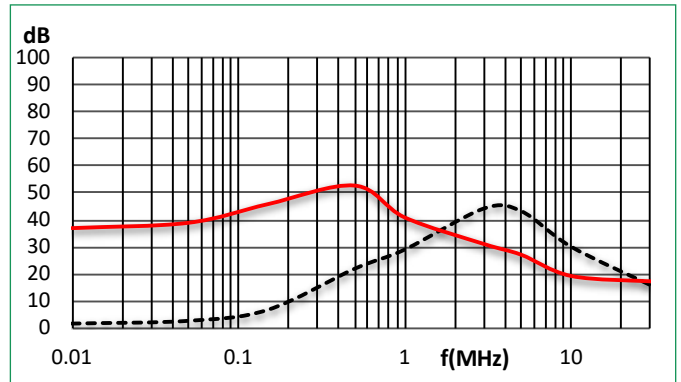
50A



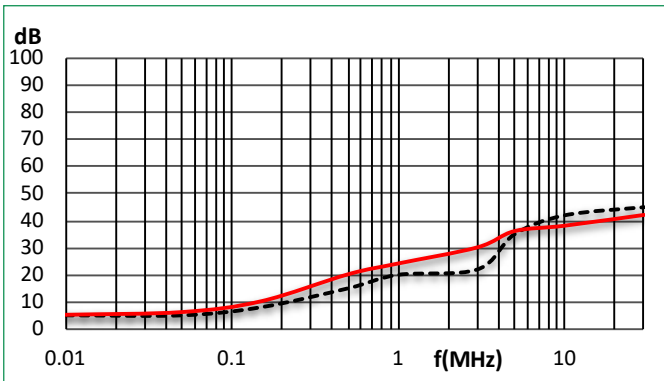
60A



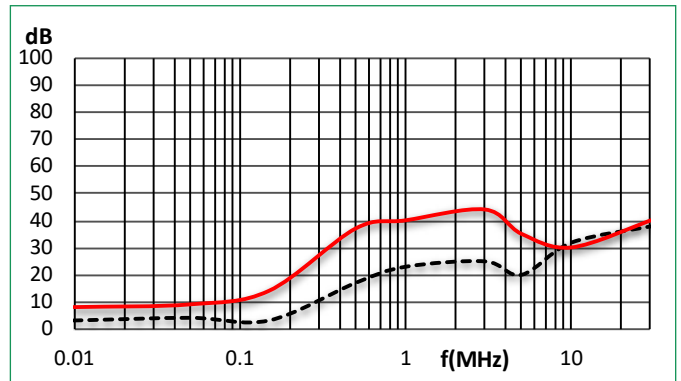
75A



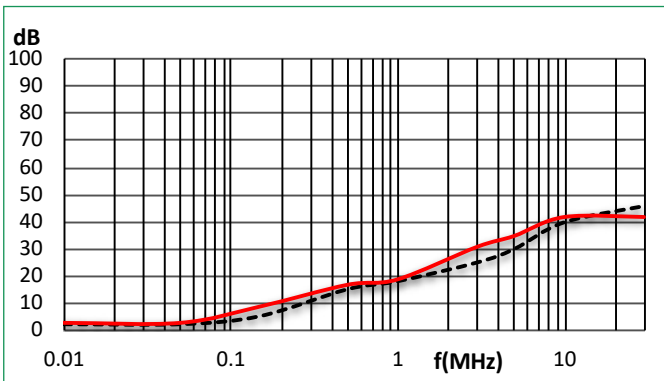
80A



100A



125A



150A

