

**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.

**Features**

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



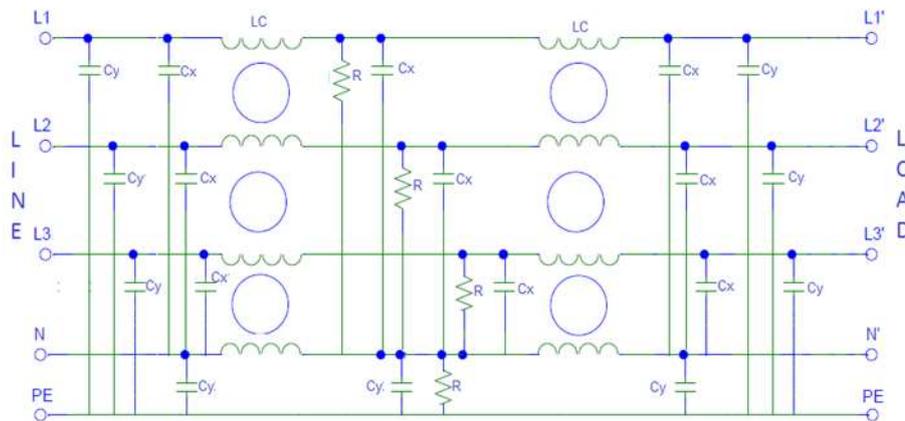
**Applications**

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

**Approvals & Compliance**



**Typical circuit Diagram**

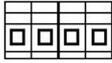


**Technical Specifications**

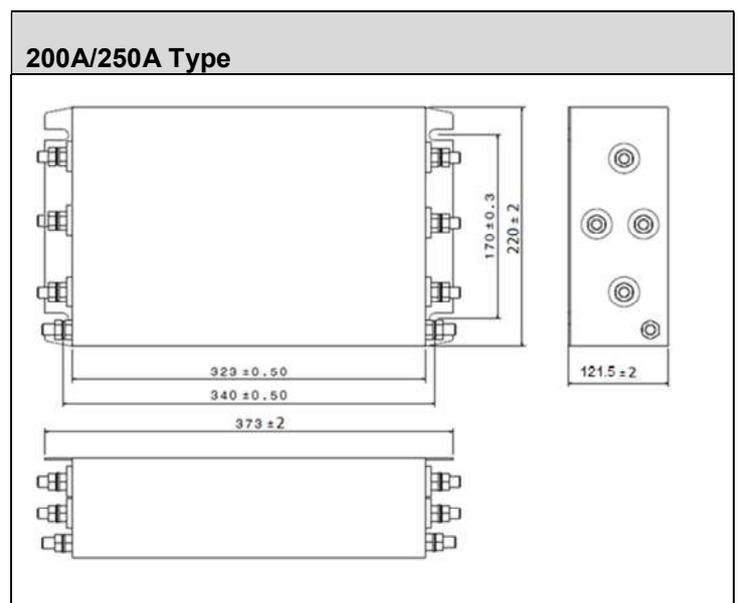
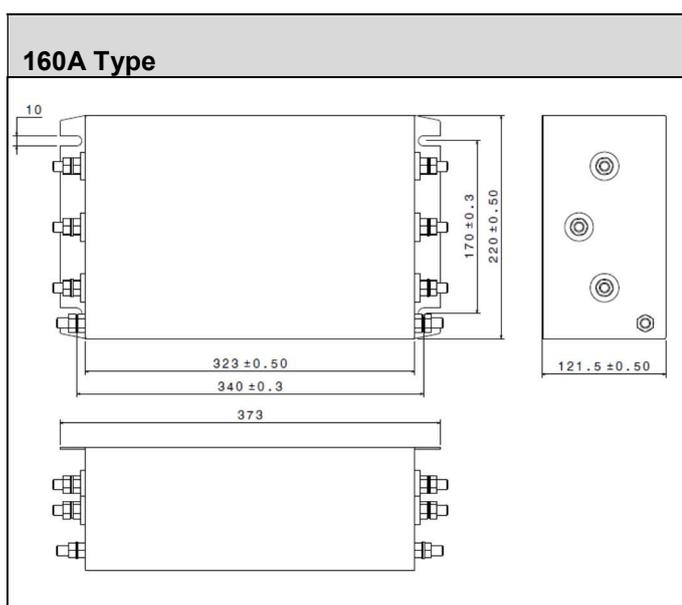
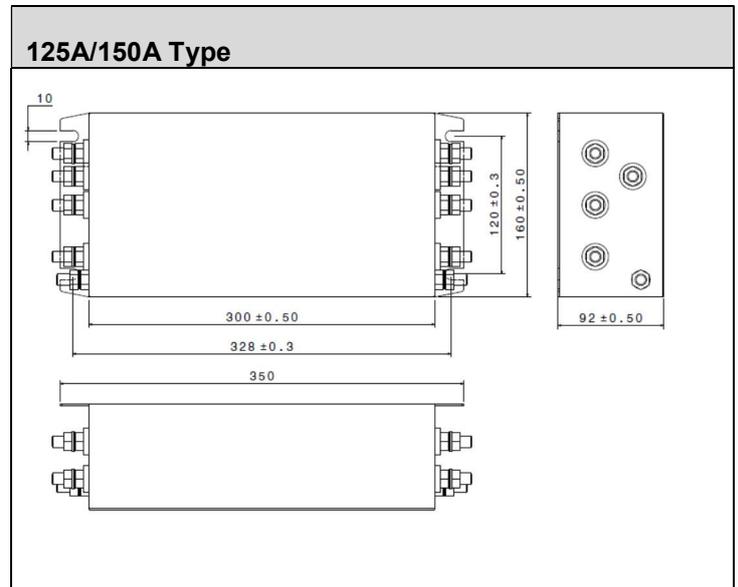
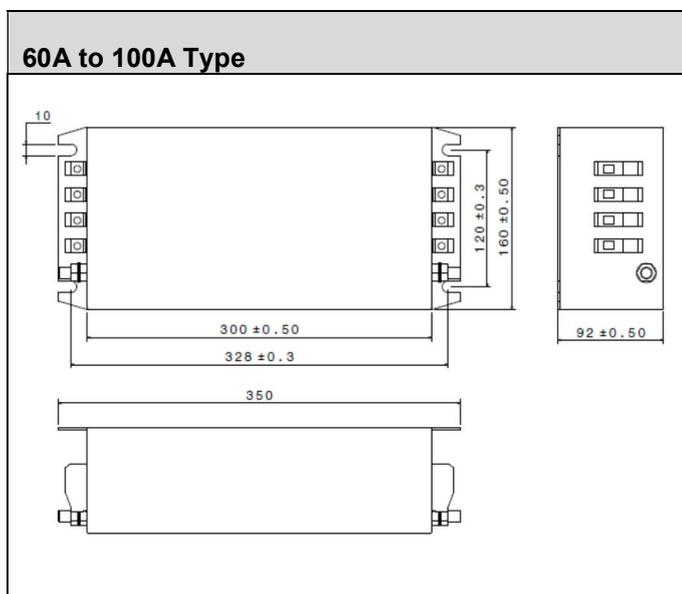
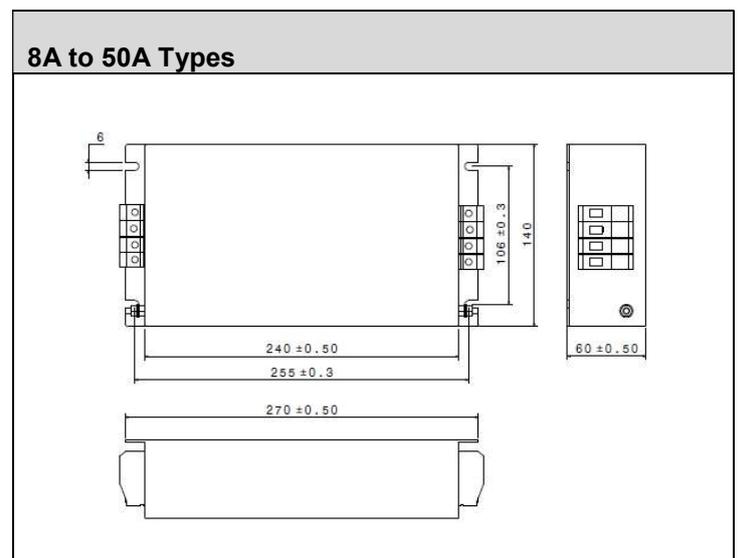
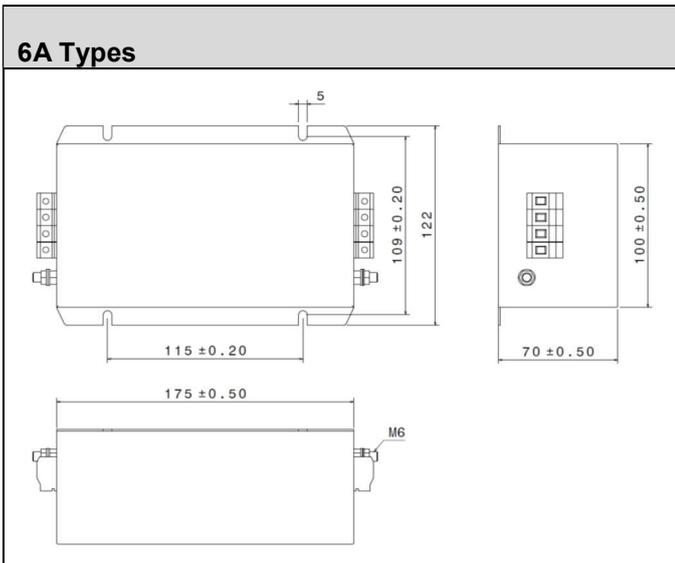
Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60Hz
Current ratings	: 6A to 100A @40°C
High Potential test voltage	: L to G 2660Vdc for 1 Minute L to L 1950Vdc for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: UL 60939-3, CSA 22.2 No.8-13 and IEC 60939
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21
Enclosure	: Aluminium

*Image shown above is just for reference*

## Selection Table

Part Number	Ordering Code (for 440VAC)	Ordering Code (for 520VAC)	Rated Current @40°C	Termination		Weight (Kgs)
						
MF423 4 3D	S43D000006C	S43D520006C	6A	41		2
MF423 4 3D	S43D000008C	S43D520008C	8A	41		3
MF423 4 3D	S43D000010C	S43D520010C	10A	41		3
MF423 4 3D	S43D000012C	S43D520012C	12A	41		3
MF423 4 3D	S43D000015C	S43D520015C	15A*	41		3
MF423 4 3D	S43D000016C	S43D520016C	16A	41		3
MF423 4 3D	S43D000020C	S43D520020C	20A	41		3.5
MF423 4 3D	S43D000025C	S43D520025C	25A	41		3.5
MF423 4 3D	S43D000036C	S43D520036C	36A	10		4
MF423 4 3D	S43D000040C	S43D520040C	40A*	10		4
MF423 4 3D	S43D000050C	S43D520050C	50A	10		4
MF423 4 3D	S43D000060C	S43D520060C	60A	16		9
MF423 4 3D	S43D000075C	S43D520075C	75A	16		9
MF423 4 3D	S43D000080C	S43D520080C	80A*	25		9
MF423 4 3D	S43D000100C	S43D520100C	100A	25		10
MF423 4 3D	S43D000125N	S43D520125N	125A*		M10	10
MF423 4 3D	S43D000150N	S43D520150N	150A*		M10	10
MF423 4 3D	S43D000160N	S43D520160N	160A*		M10	11
MF423 4 3D	S43D000200N	S43D520200N	200A*		M10	14
MF423 4 3D	S43D000250N	S43D520250N	250A*		M10	14

\* Not covered under NEMKO.



All dimensions in mm; Tolerances according to ISO2768-m

## Connectors Cross Sections

	41	10	16	25
Wire Section (mm <sup>2</sup> )	4mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG
Wire Stripping	Max 10mm	max 13.5 mm	max 17 mm	max 17 mm
Max Recommended Torque	0.5 Nm / 4.5 in.lbs	1.2 Nm / 10.8 in.lbs	2÷2.2 Nm / 18÷19.8 in.lbs	2 Nm / 18 in.lbs

## Screw Cross sections

Thread Size	M10
Recommended Torque (Nm)	4-10

## Insertion Loss

