

## 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.

## Features

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



## Applications

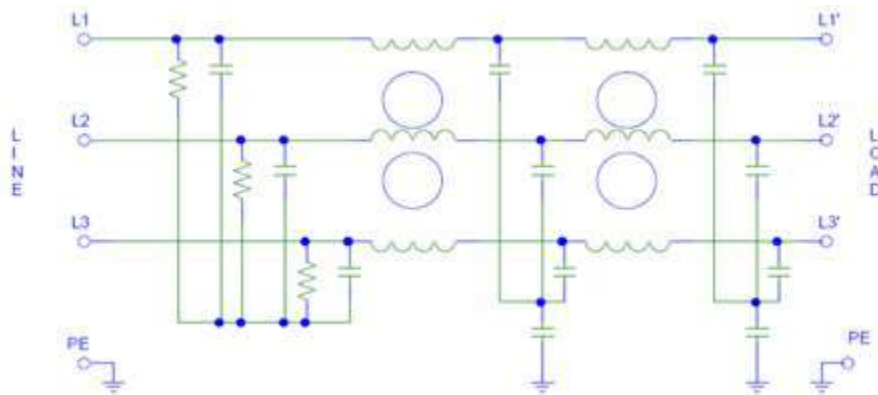
- CNC Machines
- AC/DC Drives
- Convertors
- Elevators
- HVAC
- SMPS

## Approvals & Compliance



## Typical circuit Diagram

### Upto 100A



### 75A, 125A & Above

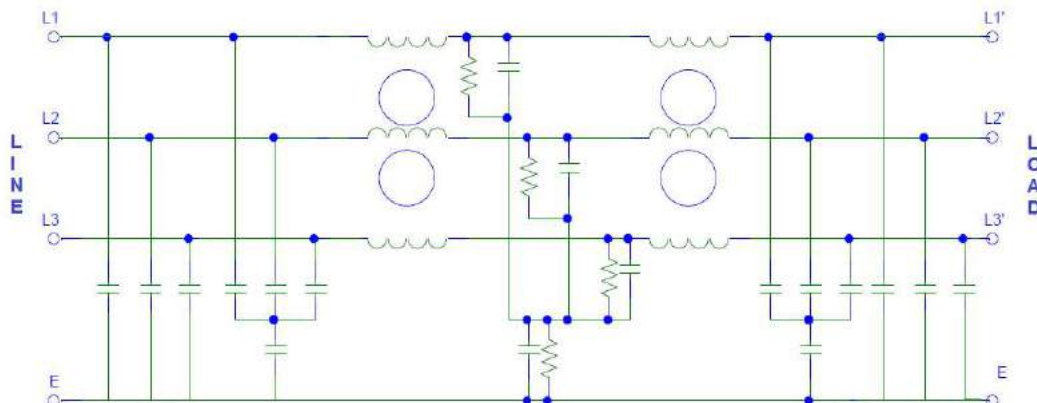




Image shown above is just for reference

## Technical Specifications

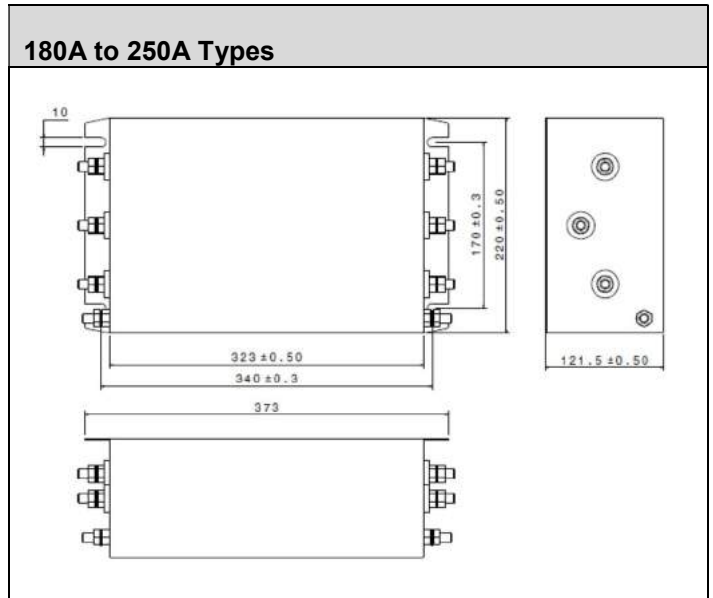
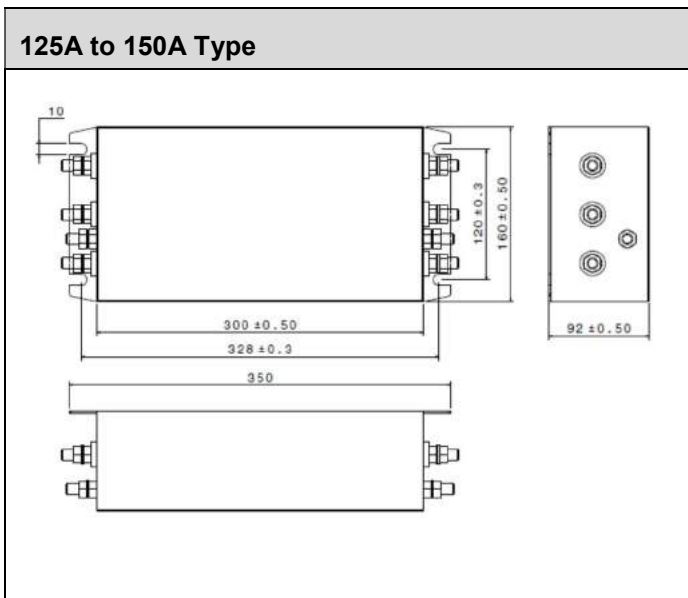
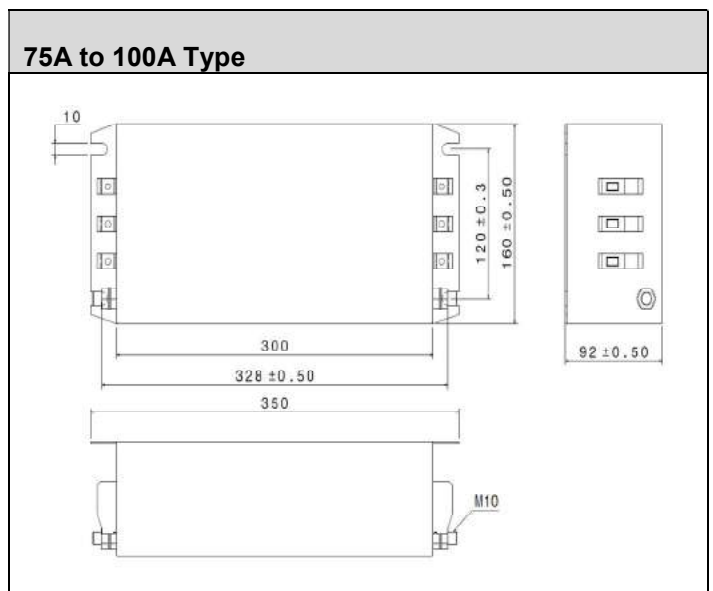
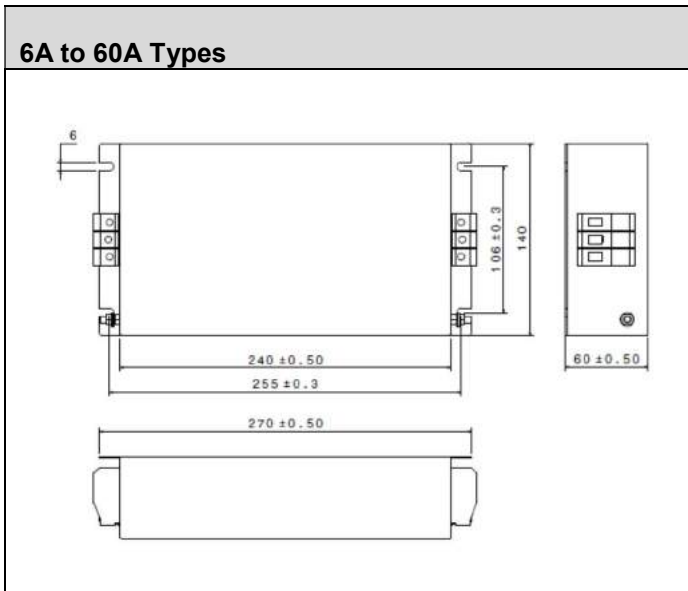
Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60Hz
Current ratings	: 6A to 250A @40°C
High Potential test voltage	: L to G 2660Vdc for 1 Minute L to L 1950Vdc for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: UL 60939-3, CSA 22.2 No.8-13 and IEC 60939
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21
Enclosure Material	: Aluminium

## Selection Table

Part Number	Ordering Code (for 440VAC)	Ordering Code (for 520VAC)	Rated Current @40°C	Termination		Weight (Kgs)
						
MF423 3 3D	S33D000006C	S33D520006C	6A*	41		3
MF423 3 3D	S33D000010C	S33D520010C	10A	41		3
MF423 3 3D	S33D000015C	S33D520015C	15A*	41		3
MF423 3 3D	S33D000020C	S33D520020C	20A	41		3
MF423 3 3D	S33D000025C	S33D520025C	25A*	41		3
MF423 3 3D	S33D000030C	S33D520030C	30A*	41		3
MF423 3 3D	S33D000036C	S33D520036C	36A*	10		4
MF423 3 3D	S33D000040C	S33D520040C	40A	10		4
MF423 3 3D	S33D000050C	S33D520050C	50A*	10		4
MF423 3 3D	S33D000060C	S33D520060C	60A	16		4
MF423 3 3D	S33D000075C	S33D520075C	75A*	16		8
MF423 3 3D	S33D000080C	S33D520080C	80A	25		8
MF423 3 3D	S33D000100C	S33D520100C	100A	25		8
MF423 3 3D	S33D000125N	S33D520125N	125A		M10	8
MF423 3 3D	S33D000150N	S33D520150N	150A		M10	8
MF423 3 3D	S33D000180N	S33D520180N	180A		M10	11
MF423 3 3D	S33D000200N	S33D520200N	200A		M10	11
MF423 3 3D	S33D000250N	S33D520250N	250A		M10	11


\* Not covered under NEMKO

Filters with 520VAC are not covered under NEMKO.



All dimensions in mm; Tolerances according: ISO2768-m

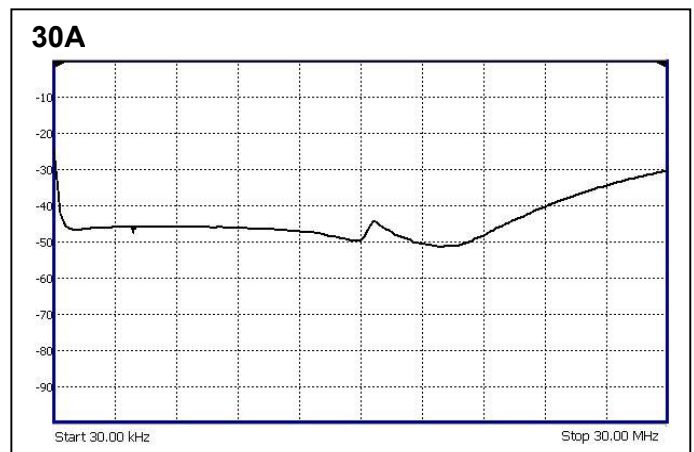
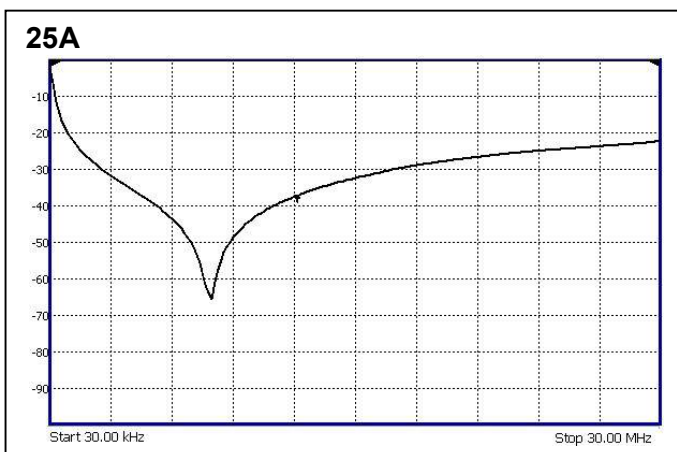
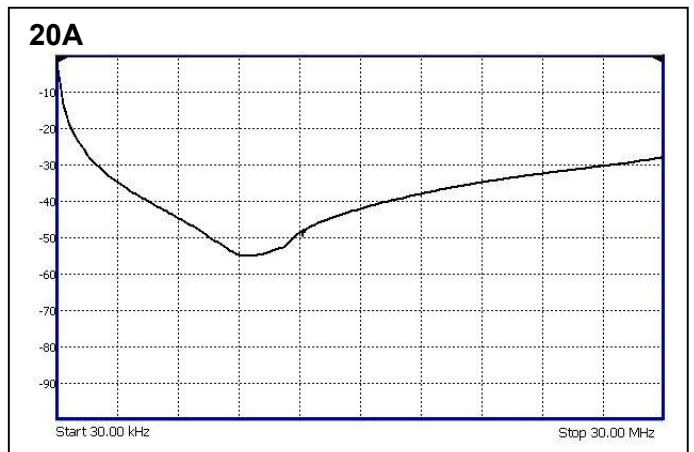
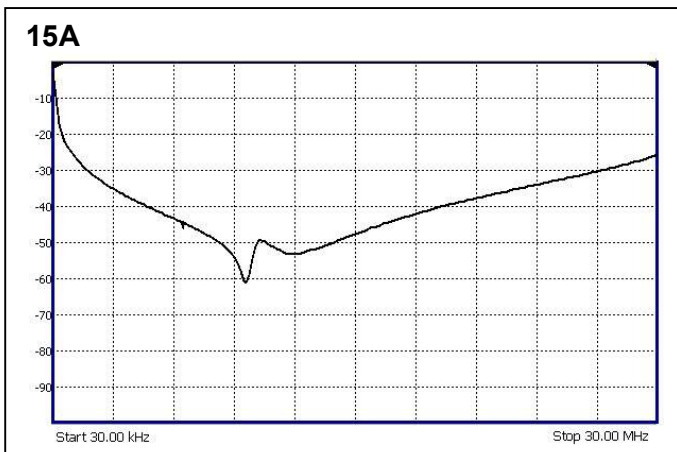
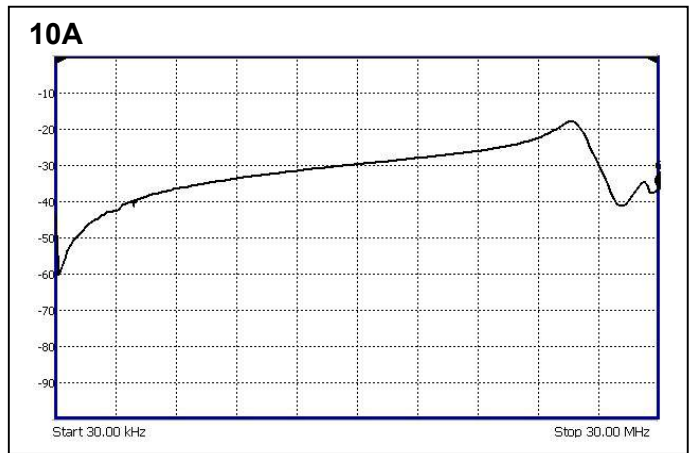
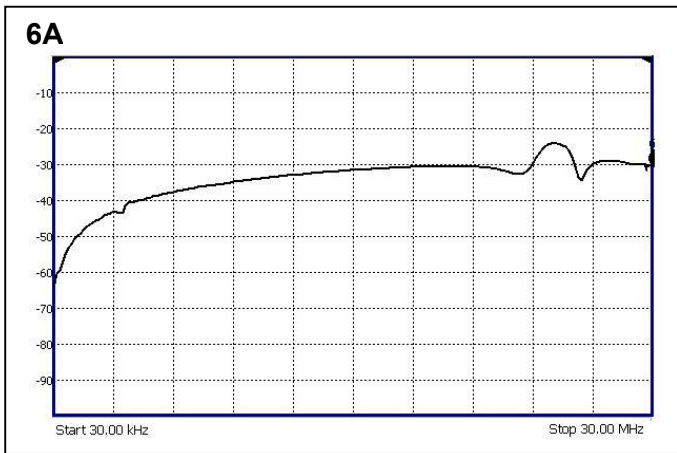
## Connectors Cross Sections

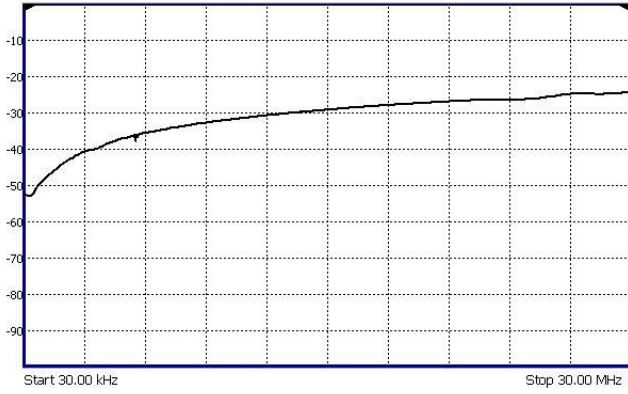
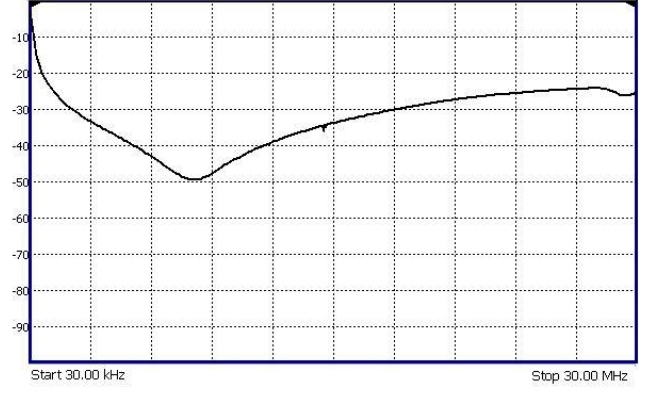
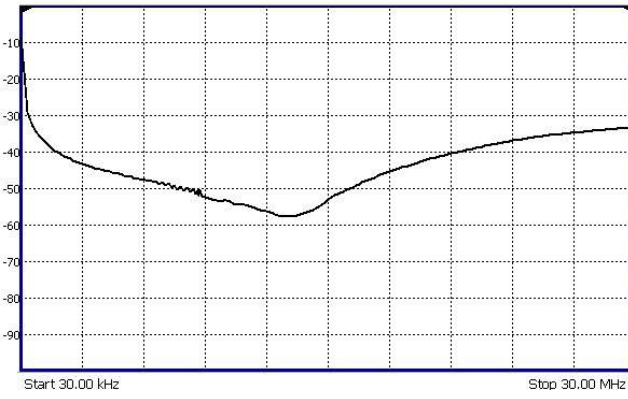
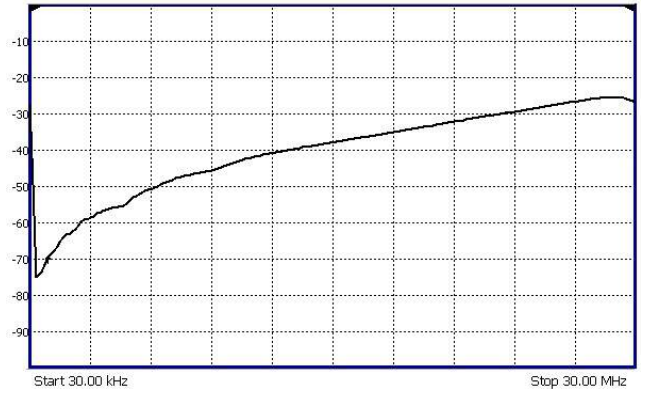
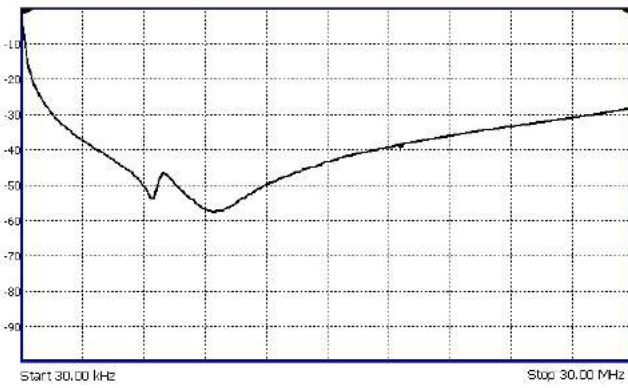
	41	10	16	25
Wire Section (mm <sup>2</sup> )	4mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG
Wire Stripping	Max 10mm	max 13.5 mm	max 17 mm	max 17 mm
Max Recommended Torque	0.5 Nm / 4.5 in.lbs	1.2 Nm / 10.8 in.lbs	2÷2.2 Nm / 18÷19.8 in.lbs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

## For Screw Type Connections

Thread Size	M10
Recommended Torque (Nm)	4-10

## Insertion Loss – (Common mode)



**36A****40A****50A****60A****75A****80A**