

Description

These series range of three phase filters with neutral in book shelf design give superior performance when used in applications with low Impedance loads controlling pulsed, continuous and intermittent interference noise and where high levels of mains borne interference are present.

Features

- 3 Phase filters with neutral
- Compact/Light Weight/Cost Effective
- Bookshelf Design

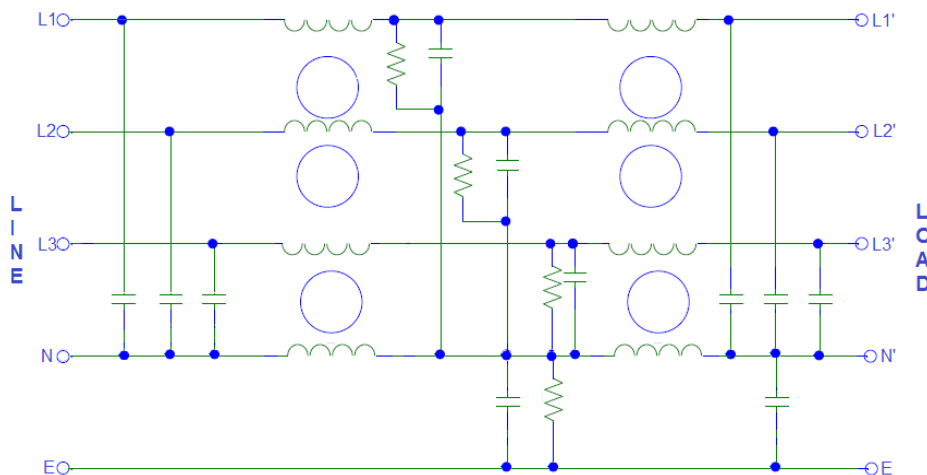
Applications

- AC/DC Drives
- CNC Machines
- Robotics
- Regenerative Drives

Approvals & Compliance



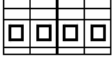
Typical circuit Diagram



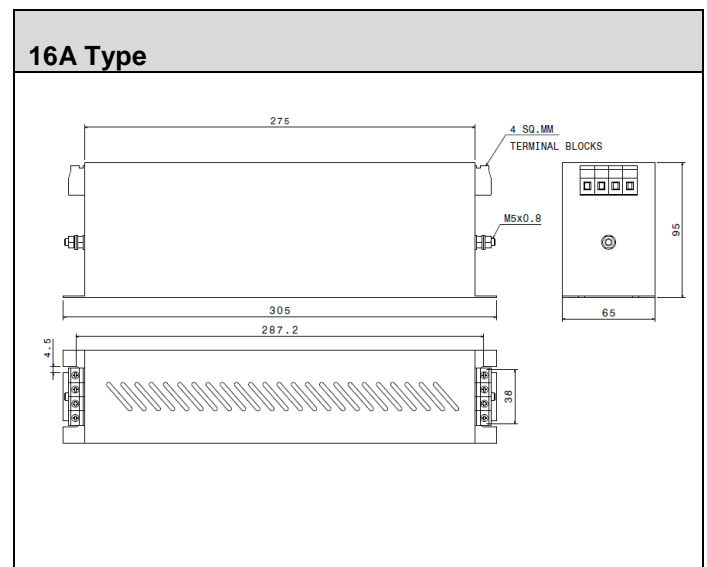
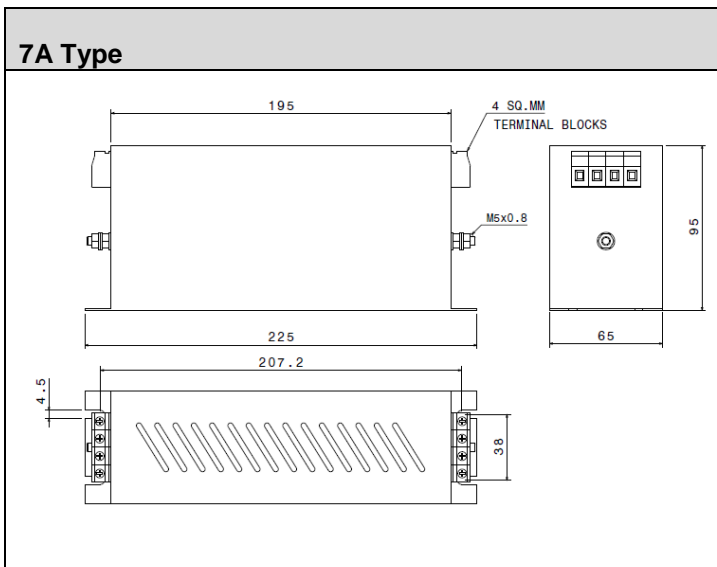
Technical Specifications

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60Hz
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 IEC 60939
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21
Enclosure	: Aluminium

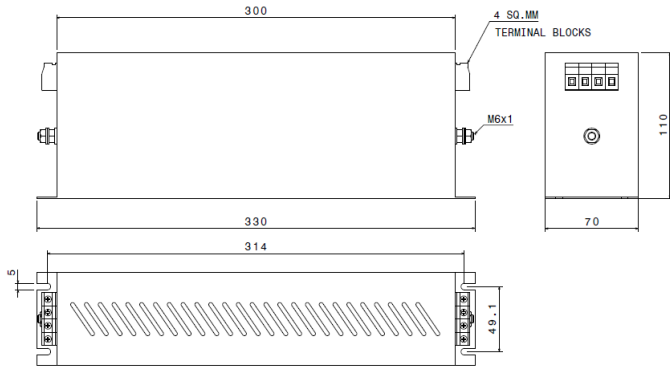
Selection Table

Part Number	Ordering Code (440 VAC)	Ordering Code (520 VAC)	Rated Current @40°C	Termination 	Weight (Kgs)
MF 423 4 3D BS	S43DBS0007C	S43DBS5207C	7A	41	1.5
MF 423 4 3D BS	S43DBS0016C	S43DBS5216C	16A	41	2
MF 423 4 3D BS	S43DBS0030C	S43DBS5230C	30A	41	2.2
MF 423 4 3D BS	S43DBS0042C	S43DBS5242C	42A	10	3
MF 423 4 3D BS	S43DBS0055C	S43DBS5255C	55A	10	3
MF 423 4 3D BS	S43DBS0075C	S43DBS5275C	75A	16	4
MF 423 4 3D BS	S43DBS0100C	S43DBS5100C	100A	25	4
MF 423 4 3D BS	S43DBS0125C	S43DBS5125C	125A	50	8
MF 423 4 3D BS	S43DBS0150C	S43DBS5150C	150A	50	10

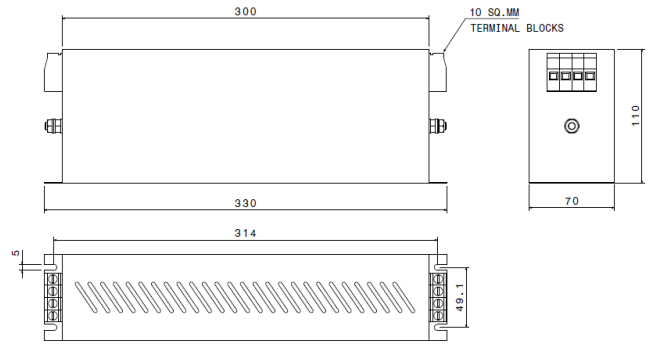
Mechanical Drawing



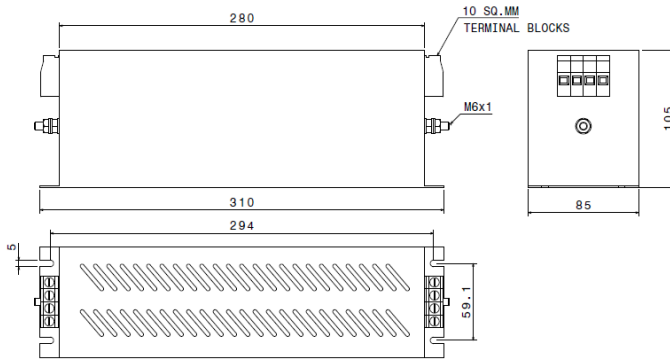
30A Type



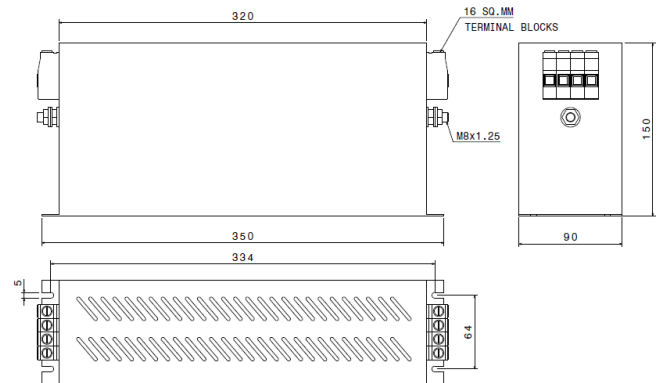
42A Type



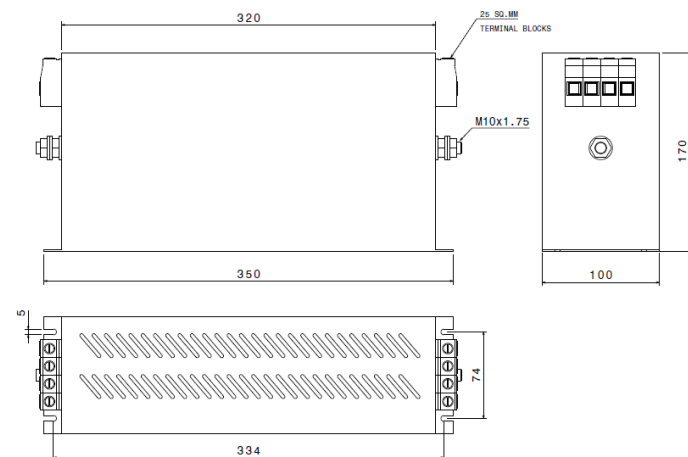
55A Type



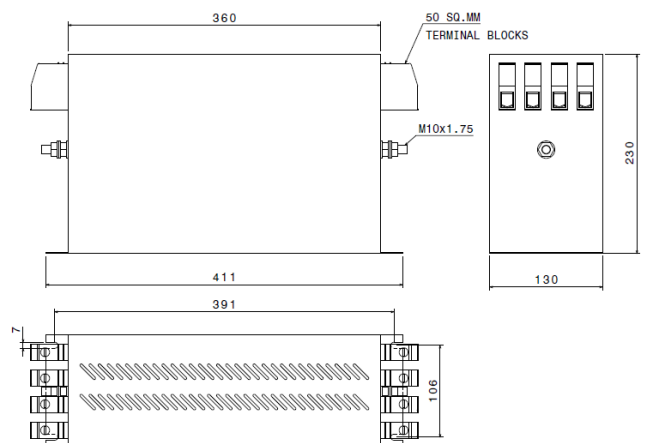
75A Type



100A Type




125A & 150A Type

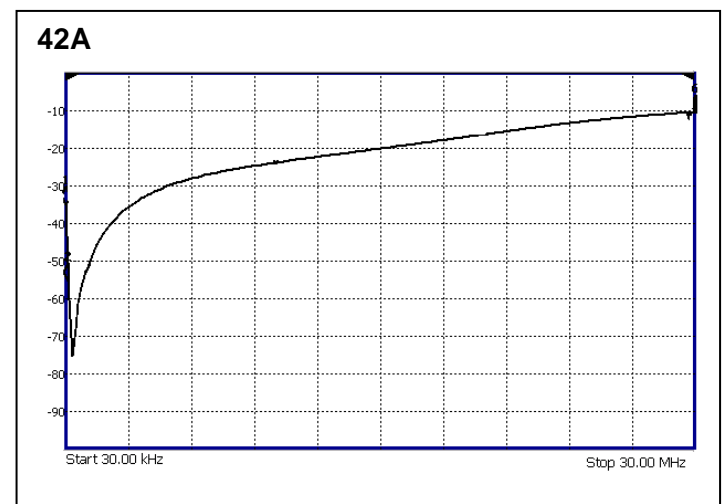
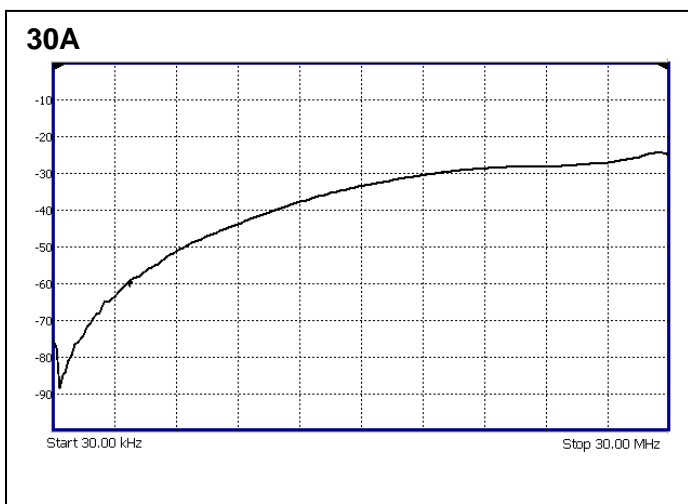
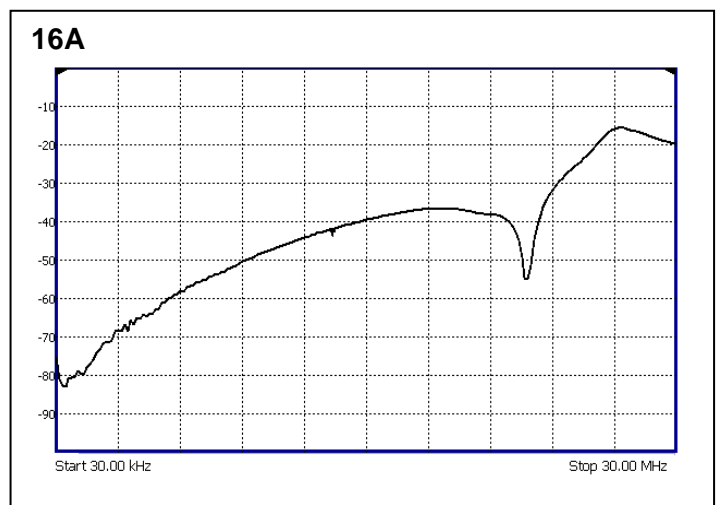
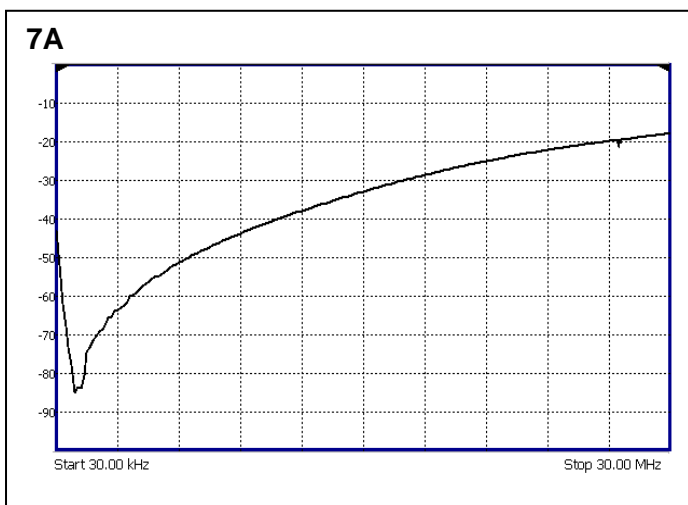


All dimensions in mm; Tolerances according to ISO2768-m

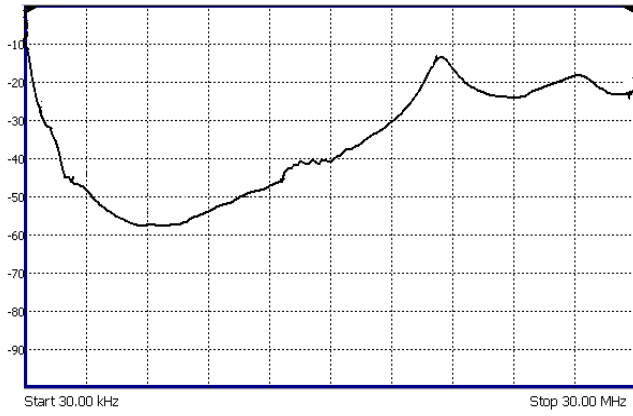
Connectors Cross Sections

	41	10	16	25	50
Wire Section (mm ²)	4mm ²	10 mm ²	16 mm ²	25 mm ²	50 mm ²
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG	1/0 AWG
Wire Stripping	Max 10mm	Max 13.5 mm	Max 17 mm	Max 17 mm	Max 20 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	6 Nm / 54 in.lbs

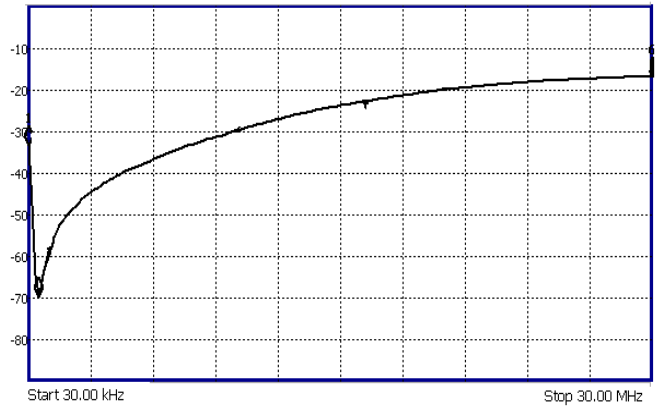
Insertion Loss – (Common Mode)



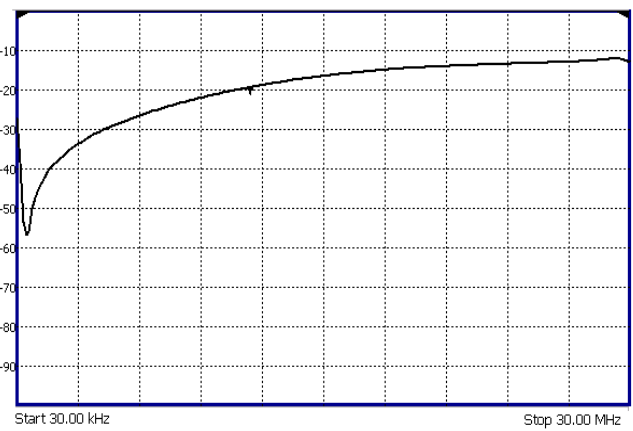
55A



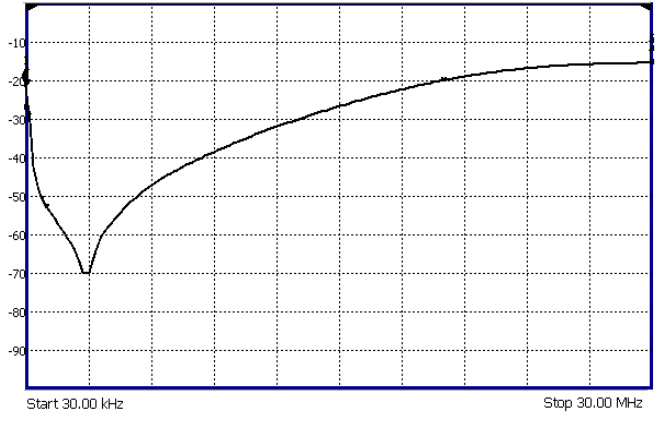
75A



100A



125A



150A

