

Description

These series range of three phase filters with added differential mode 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 for drives/invertors
- Compact/Light Weight/Cost Effective
- Bookshelf Design



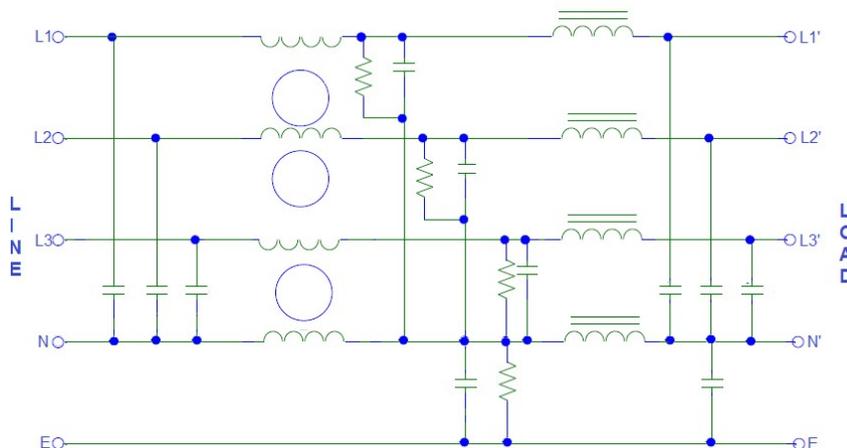
Applications

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

Approvals & Compliance



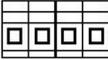
Typical circuit Diagram



Technical Specifications

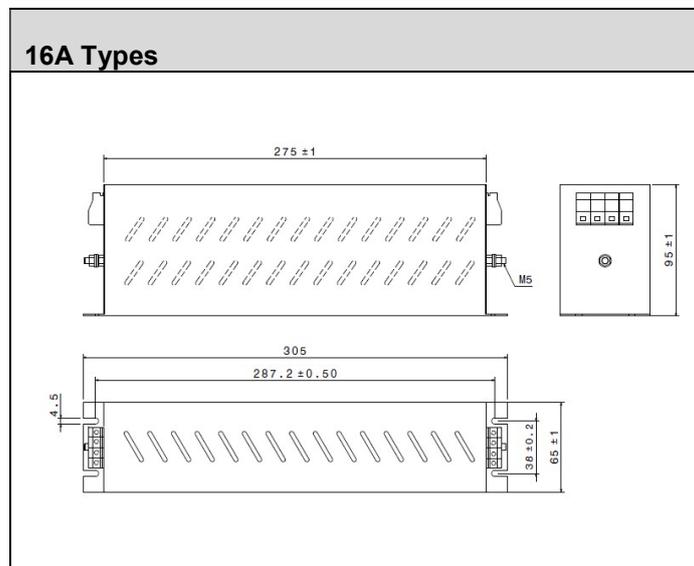
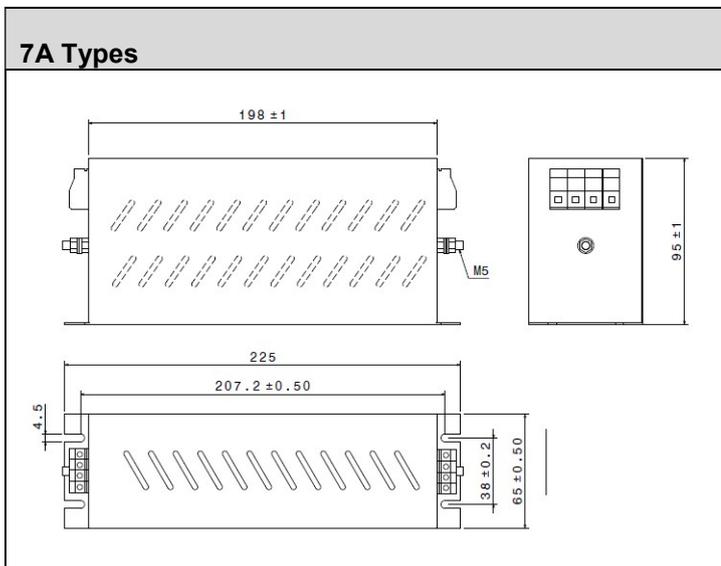
Maximum Continuous Operating Voltage	: 440VAC
Operating Frequency	: 50/60Hz
Current ratings	: 7A to 150A @40°C
High Potential test voltage	: L to G 2660Vdc for 1 Minute L to L 1950Vdc for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: UL1283, CSA 22.2 No.8-13 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

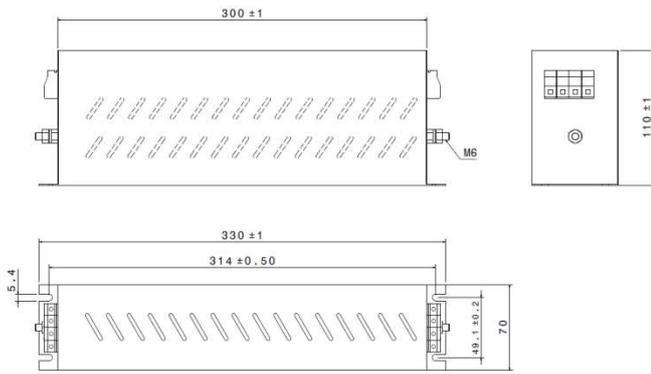
Part Number	Ordering Code	Rated Current @40°C	Termination 	Weight (Kgs)
MF423 4 3DD BS	S43DDBS007C	7A	41	1.5
MF423 4 3DD BS	S43DDBS016C	16A	41	2
MF423 4 3DD BS	S43DDBS030C	30A	41	2.2
MF423 4 3DD BS	S43DDBS042C	42A	10	3
MF423 4 3DD BS	S43DDBS055C	55A	10	3
MF423 4 3DD BS	S43DDBS075C	75A	16	4
MF423 4 3DD BS	S43DDBS100C	100A	25	4
MF423 4 3DD BS	S43DDBS125C	125A	50	8
MF423 4 3DD BS	S43DDBS150C	150A	50	10

Note: Customized filters are provided on request.

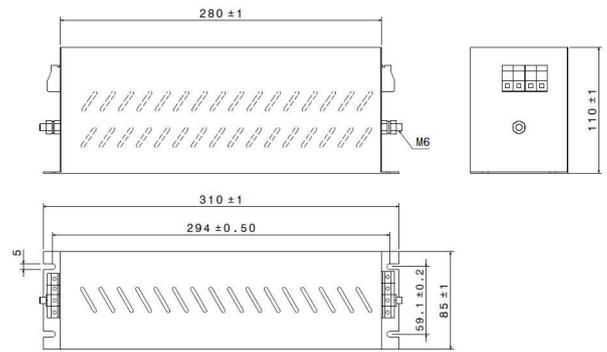
Mechanical Drawing



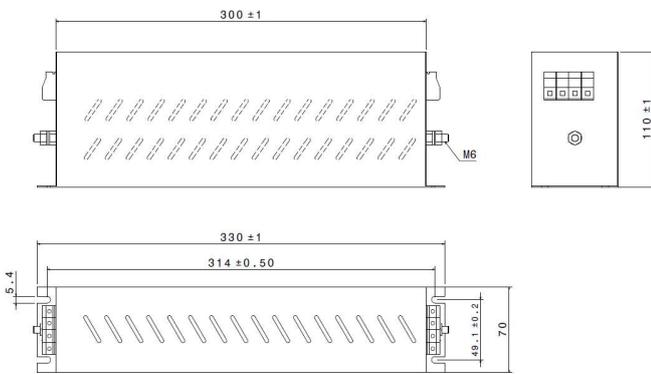
30A & 42A Types



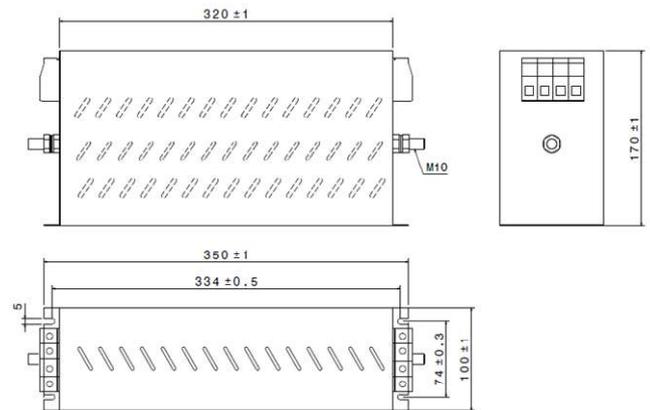
55A Types



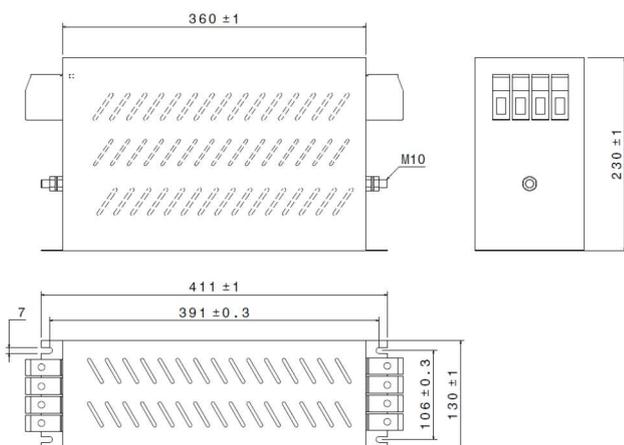
75A Types



100A Types



125A & 150A Types

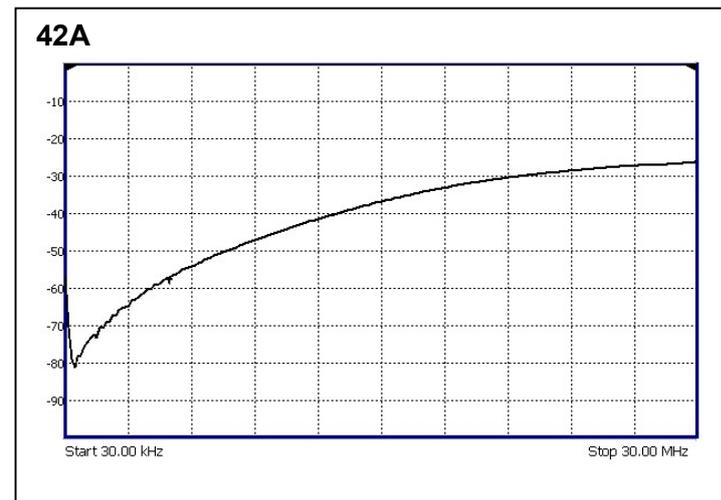
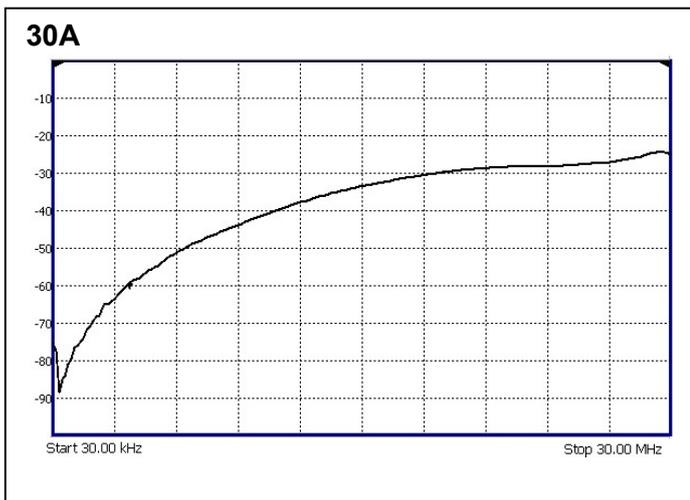
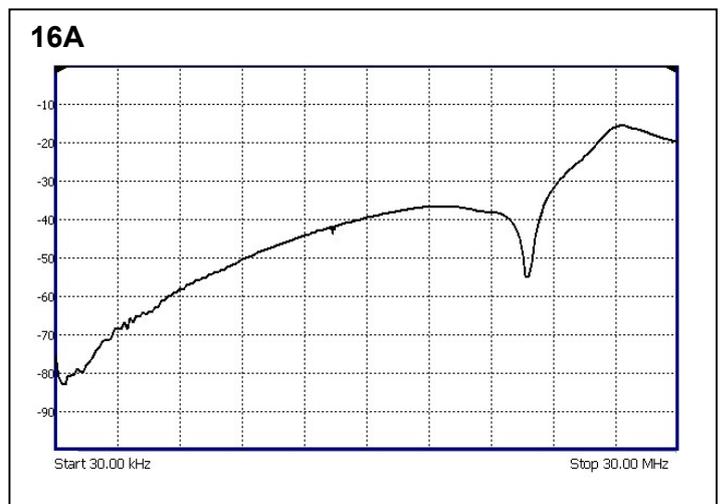
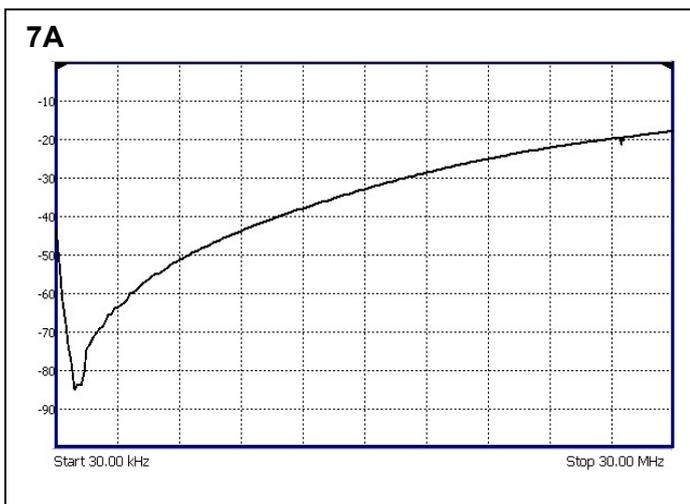


Note: All dimensions in mm; Tolerances according to ISO2768-m

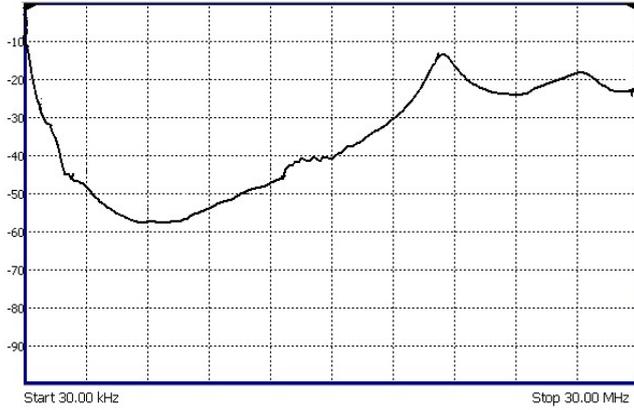
Connectors Cross Sections

	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

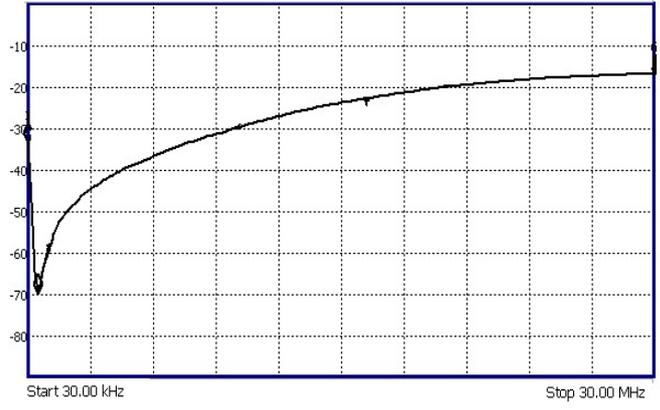
Insertion Loss – (Common Mode)



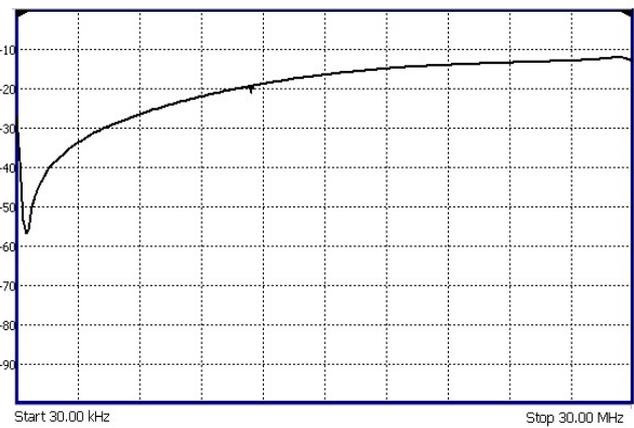
55A



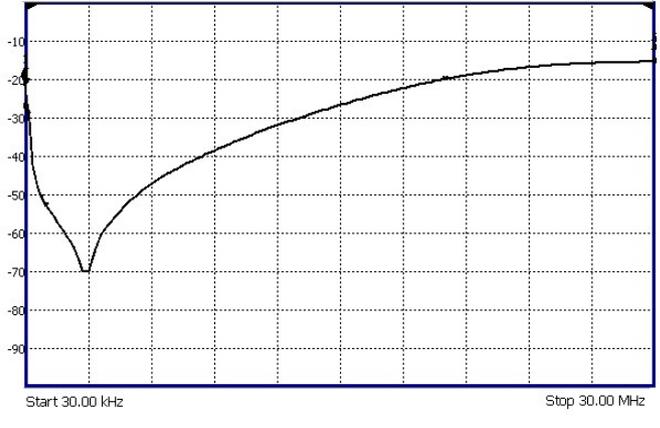
75A



100A



125A



150A

