


DATASHEET

THREE PHASE EMI FILTER - MF423 4 3DD

Description

These series range of three phase filter with common mode and differential mode designed to use in wide range of applications to suppress high level electromagnetic interference.

Technical Specifications

Maximum Continuous operating voltage	440/520VAC
Operating Frequency	50/60 Hz
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

Approvals & Compliance

Features

- 3 Phase filters for drives/invertors
- Superior Performance
- Chassis mounting 3 Phase Filter with neutral

Applications

- Invertors
- AC/DC Drives
- SCR Drives
- Regenerative Drive
- HVAC

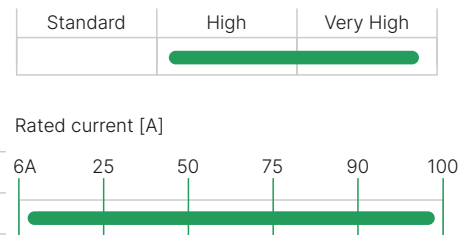
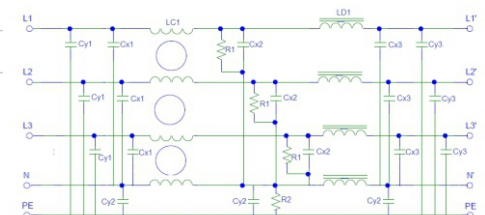

Performance Indicators

Typical Circuit Diagram


Image shown above is just for reference

Ordering Code Information

Part Number	Ordering code (for 440VAC)	Ordering code (for 520VAC)	Rated Current @40°C	Termination 	Weight (Kg)
MF423 4 3DD	E100111-2	E104910-1	6A	41	3
MF423 4 3DD	E100111-3	E104911-1	8A	41	4
MF423 4 3DD	E100111-4	E104912-1	10A	41	4
MF423 4 3DD	E100111-5	E104913-1	12A	41	4
MF423 4 3DD	E100111-6	E104914-1	16A	41	4
MF423 4 3DD	E100111-7	E104915-1	20A	41	4
MF423 4 3DD	E100111-8	E104916-1	25A	41	4
MF423 4 3DD	E100111-9	E104917-1	36A	10	4.5
MF423 4 3DD	E100111-10	E104918-1	50A	10	4.5
MF423 4 3DD	E100111-11	E104919-1	60A	16	9
MF423 4 3DD	E100111-12	E104920-1	75A	16	9
MF423 4 3DD	E100111-13	E104921-1	100A	25	10

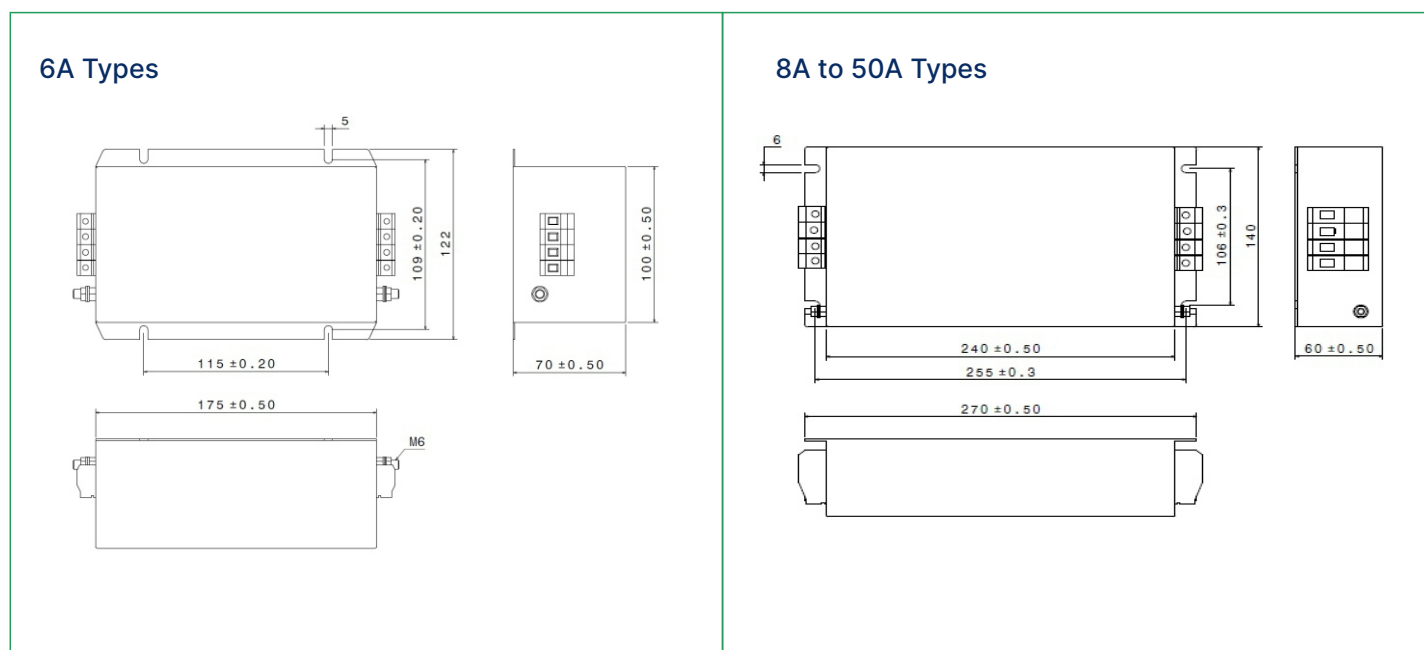
Note:

Filters with 520VAC are not covered under NEMKO.

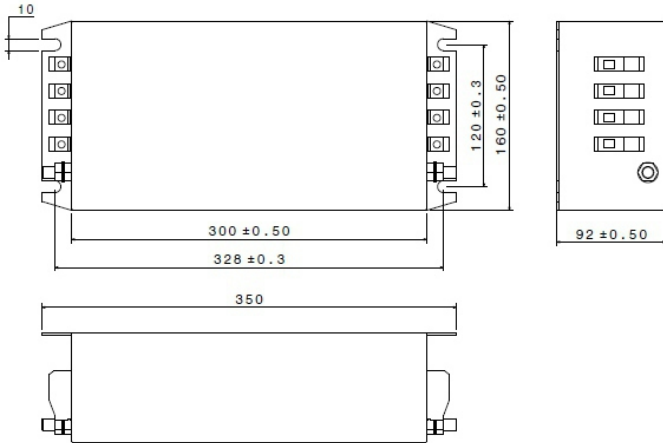
Connectors Cross Sections

	41	10	16	25
Wire Section (mm ²)	4mm ²	10mm ²	16mm ²	25mm ²
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG
Wire Stripping	Max 10mm	Max 13.5mm	Max 17mm	Max 17mm
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

Mechanical Drawing

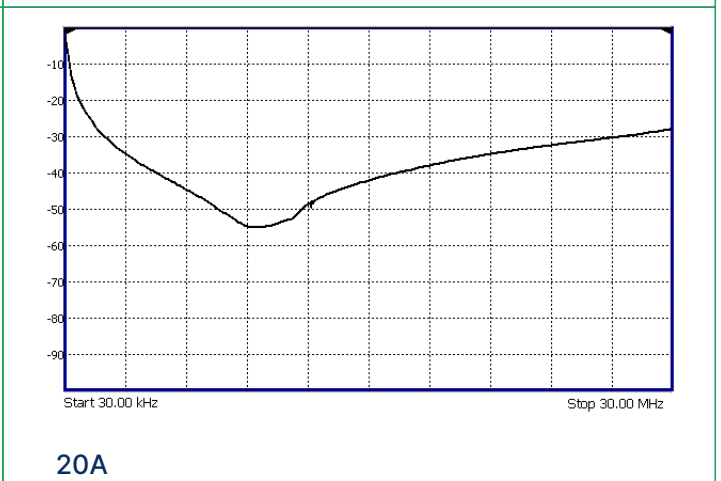
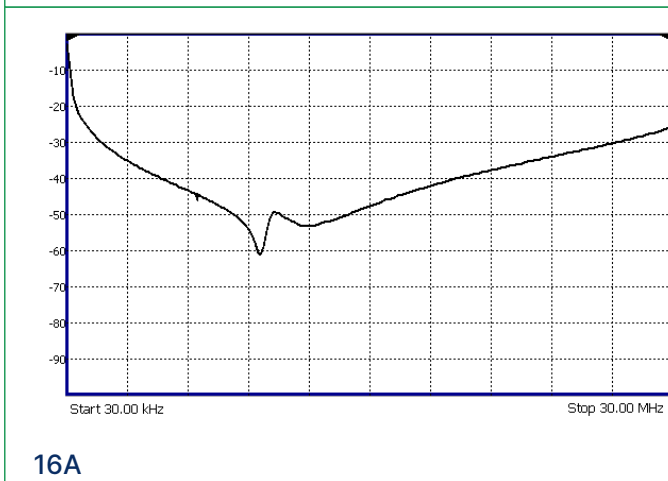
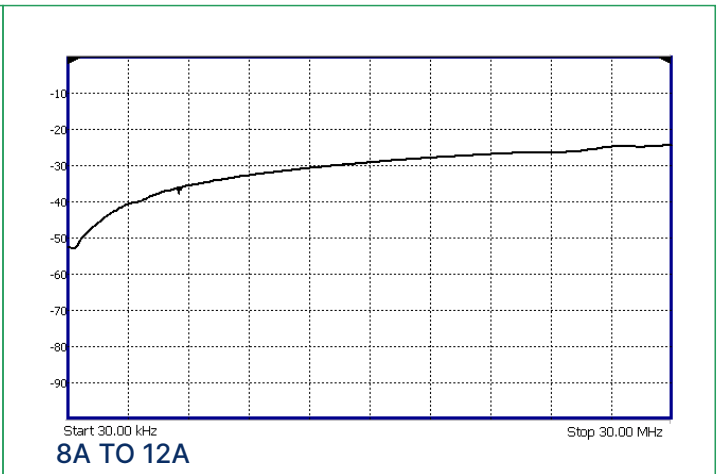
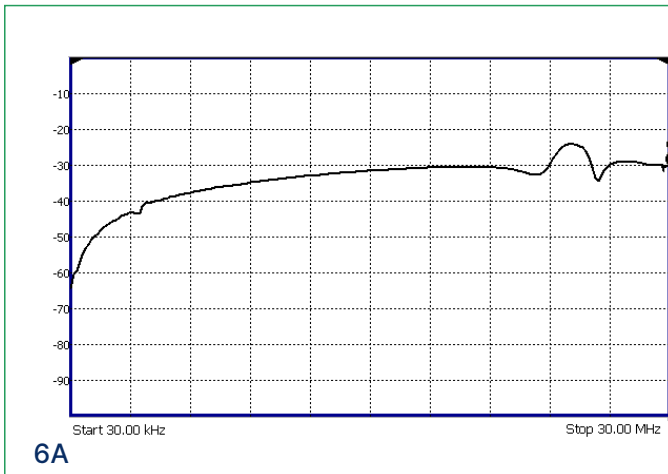


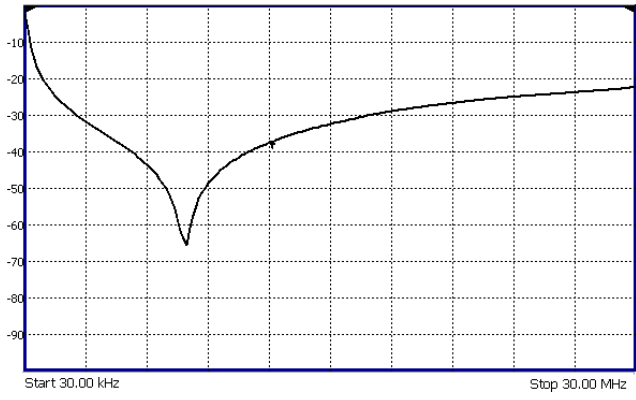
60A to 100A Types



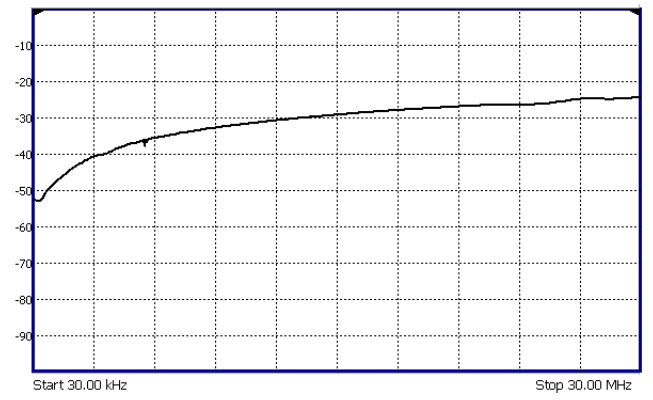
All dimensions in mm; Tolerances according to ISO2768-m

Insertion Loss - (Common mode)

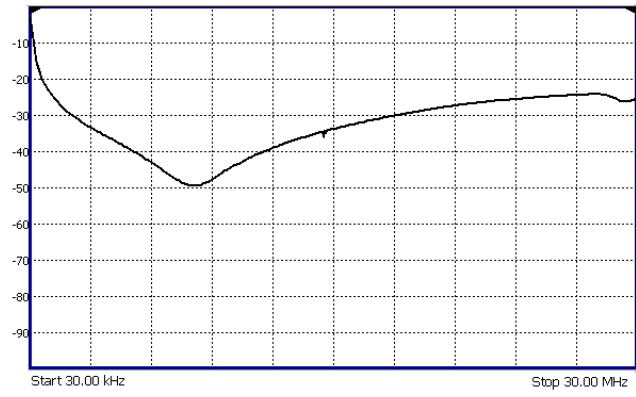




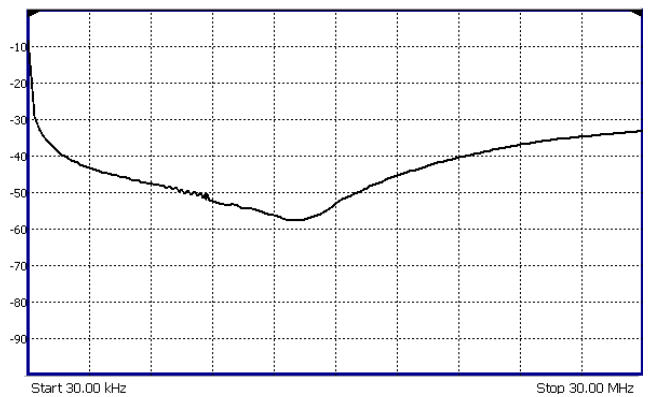
25A



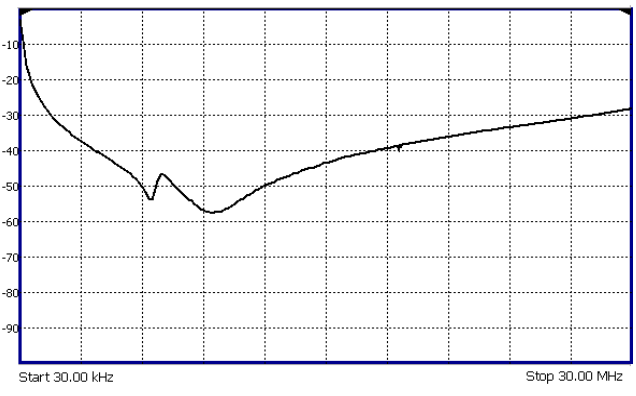
36A



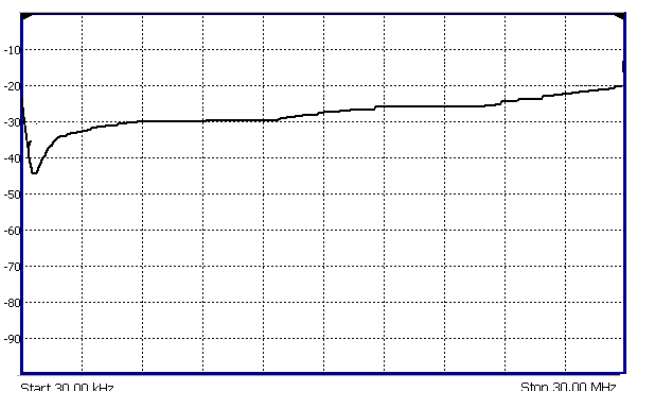
50A



60A



75A



100A