EMIS

DATA SHEET

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.

Approvals & Compliances

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

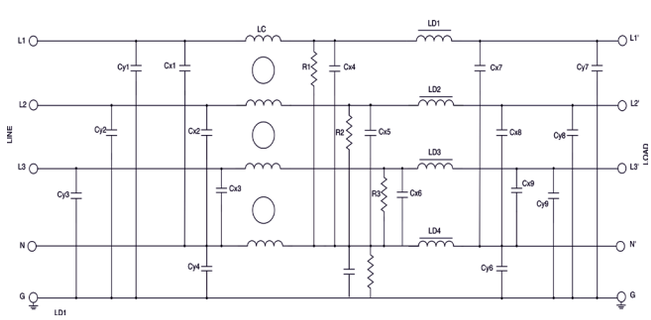
Performance Indicator

Standard	High	Very High

Rated current [A]

6A 25A 50A 75A 90A 100A

Typical circuit Diagram



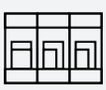
Technical Specifications:

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	:	IEC60939-1&2
Flammability corresponding to	:	UL 94 V-0
Temperature range	:	-25°C to +85°C
Climatic Category	:	25/85/21

Ordering Information

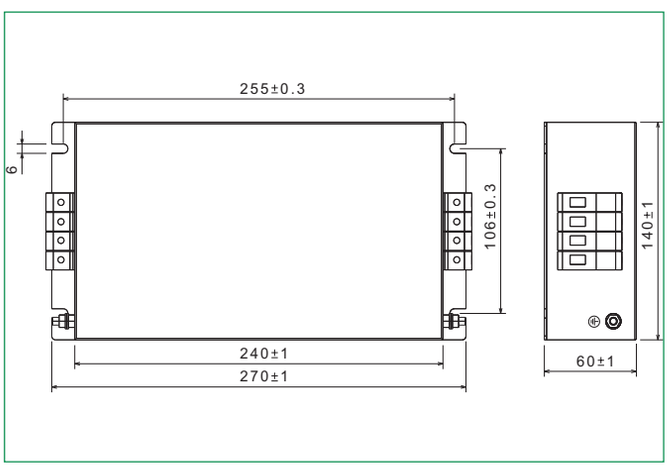
Model Number	Part Number (for 440VAC)	Rated Current @40°C	Leakage current (mA)	Terrmination 	Weight (Kg)
MF423 4 3DD	E100111-2	6A	30	4	2.8
MF423 4 3DD	E100111-3	8A	30	4	2.8
MF423 4 3DD	E100111-4	10A	30	4	2.8
MF423 4 3DD	E100111-5	12A	30	4	2.8
MF423 4 3DD	E100111-6	16A	30	4	2.8
MF423 4 3DD	E100111-7	20A	30	4	2.8
MF423 4 3DD	E100111-8	25A	30	4	2.8
MF423 4 3DD	E100111-9	36A	30	10	2.8
MF423 4 3DD	E100111-10	50A	30	10	2.8
MF423 4 3DD	E100111-11	60A	30	16	8
MF423 4 3DD	E100111-12	75A	30	16	8
MF423 4 3DD	E100111-13	100A	30	25	9

Connectors Cross Sections

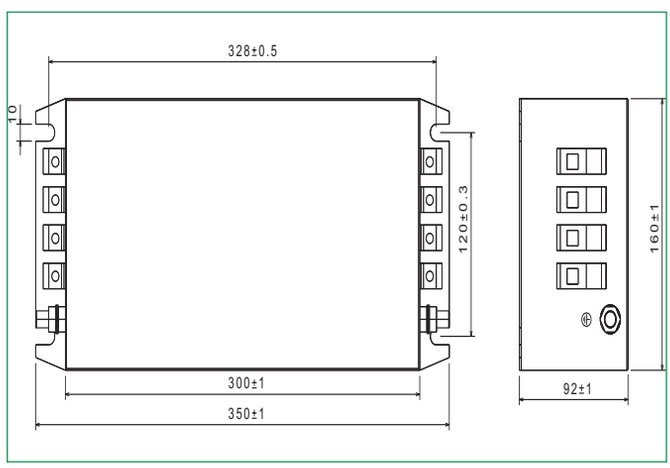
	4	10	16	25
Wire Section (mm^2)	$4mm^2$	$10mm^2$	$16mm^2$	$25mm^2$
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG
Wire Stripping	Max 10mm	Max 13.5mm	Max 17mm	Max 17mm
Max Recommended Torque	0.5 Nm / 4.5 in.lbs	1.2 Nm / 10.8 in.lbs	2-2.2 Nm / 18-19.8 in.lbs	2 Nm / 18 in.lbs

Mechanical Drawing:

6A-50A



60A-100A

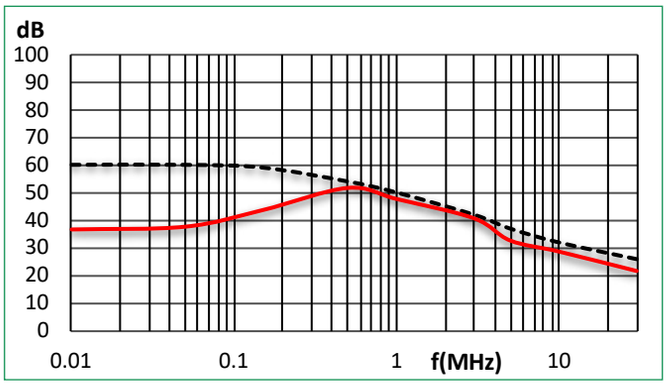


All dimensions in mm; Tolerances according to ISO2768-C

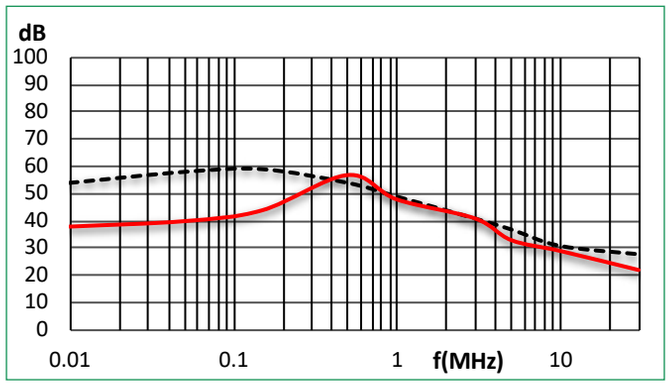
Insertion Loss : ..... Common mode _____Differential Mode

Per CISPR 17; DM=50/50 sym; CM=50/50 asym

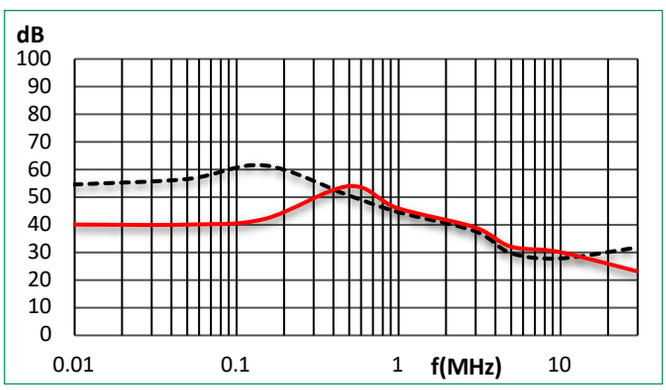
10A



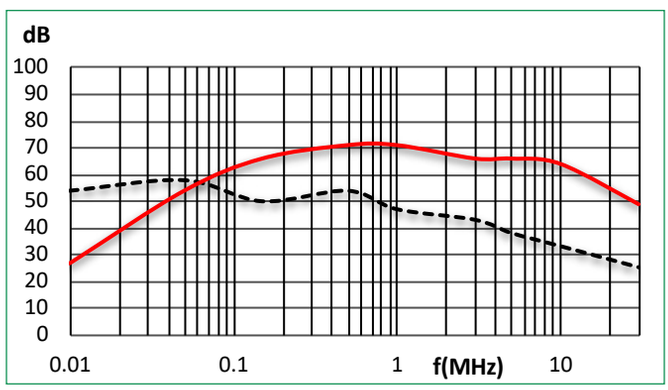
16A



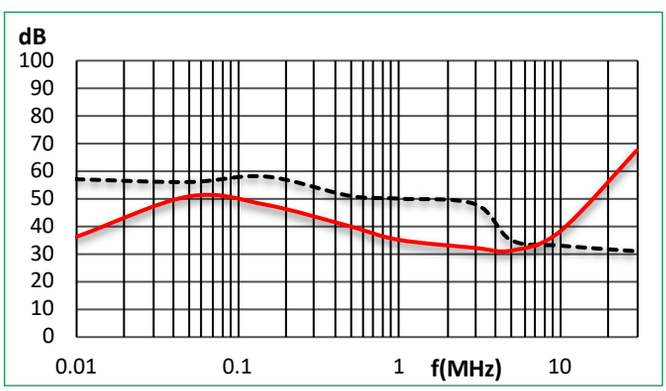
20A



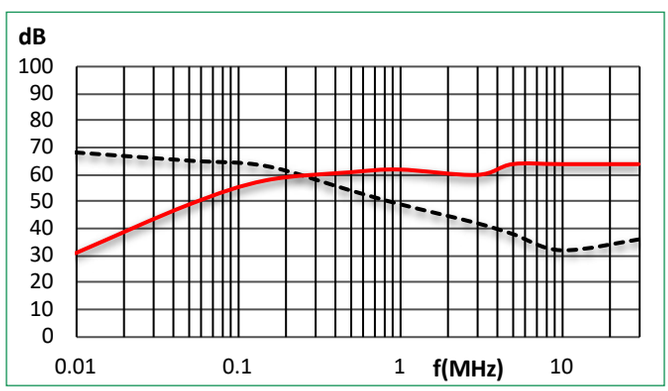
25A



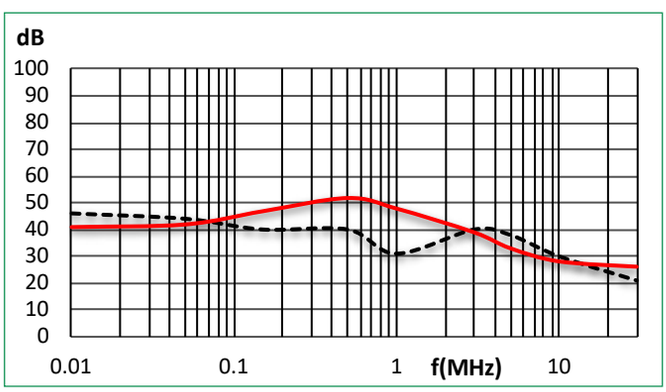
36A



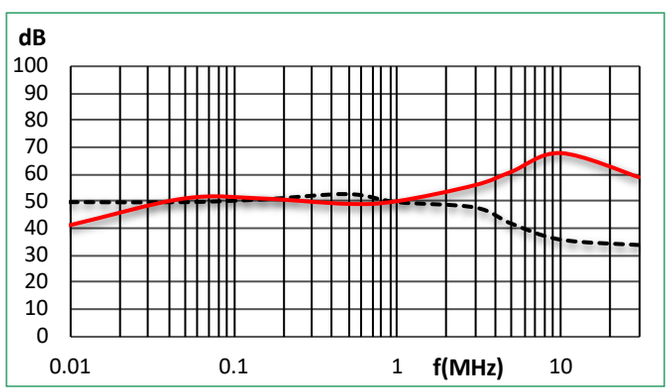
50A



60A



75A



100A