

Three Phase General Type EMI Filter MF423 3W

Description

These series range of three phase General Purpose three are designed to use in wide range of applications. They reduce Electromagnetic interference and helps in maintaining compliance with emission standards.

Features

- General Purpose
- Compact
- Standard Attenuation Performance
- Chassis mounting 3 Phase Filter

Applications

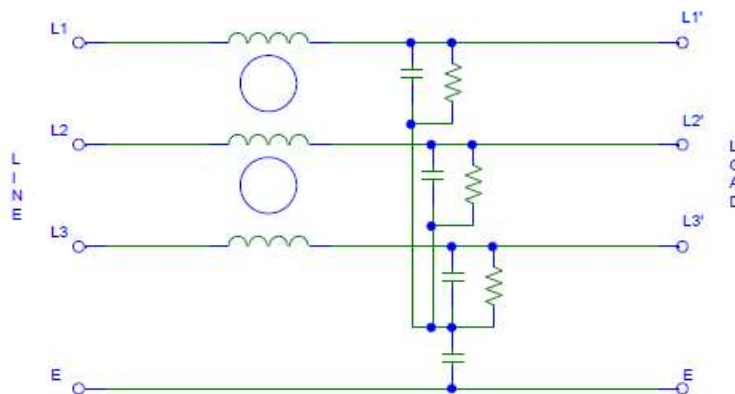
- CNC Machines
- Electronic Equipment
- Convertors
- Rectifier
- UPS/Inverters



Approvals & Compliance






Typical circuit Diagram



Technical Specifications

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60Hz
Current ratings	: 1A 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

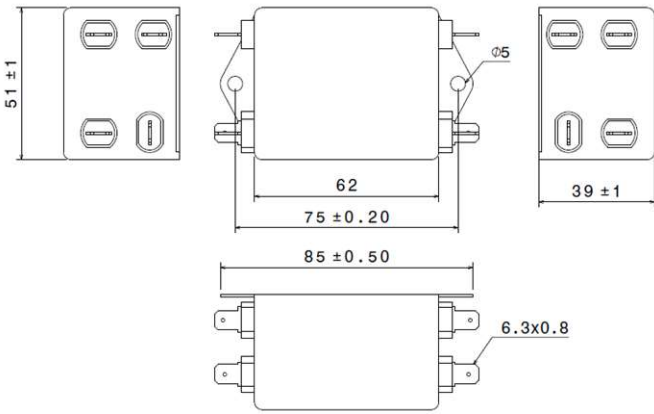
Selection Table

Part Number	Ordering Code (for 440VAC)	Ordering Code (for 520VAC)	Rated Current @40°C	Termination			Weight (Kgs)
							
MF 423-3W	S3W0000001S	S3W5200001S	1A	6.3 x 0.8			0.26
MF 423-3W	S3W0000003S	S3W5200003S	3A	6.3 x 0.8			0.26
MF 423-3W	S3W0000006S	S3W5200006S	6A	6.3 x 0.8			0.26
MF 423-3W	S3W0000010S	S3W5200010S	10A	6.3 x 0.8			0.26
MF 423-3W	S3W0000015N	S3W5200015N	15A*		M5		0.7
MF 423-3W	S3W0000016N	S3W5200016N	16A*		M5		0.7
MF 423-3W	S3W0000020N	S3W5200020N	20A*		M5		0.7
MF 423-3W	S3W0000025N	S3W5200025N	25A*		M5		0.7
MF 423-3W	S3W0000026N	S3W5200026N	26A*		M5		0.7
MF 423-3W	S3W0000030N	S3W5200030N	30A*		M5		0.7
MF 423-3W	S3W0000032N	S3W5200032N	32A*		M5		0.7
MF 423-3W	S3W0000040N	S3W5200040N	40A*		M5		0.7
MF 423-3W	S3W0000050N	S3W5200050N	50A*		M6		1.2
MF 423-3W	S3W0000060N	S3W5200060N	60A*		M6		1.2
MF 423-3W	S3W0000075N	S3W5200075N	75A		M8		8
MF 423-3W	S3W0000075C	S3W5200075C	75A*			16	8
MF 423-3W	S3W0000080N	S3W5200080N	80A*		M8		8
MF 423-3W	S3W0000080C	S3W5200080C	80A*			25	8
MF 423-3W	S3W0000100N	S3W5200100N	100A*		M10		8
MF 423-3W	S3W0000100C	S3W5200100C	100A*			25	8
MF 423-3W	S3W0000125N	S3W5200125N	125A*		M10		8
MF 423-3W	S3W0000150N	S3W5200150N	150A*		M10		8

Note: * not covered under NEMKO

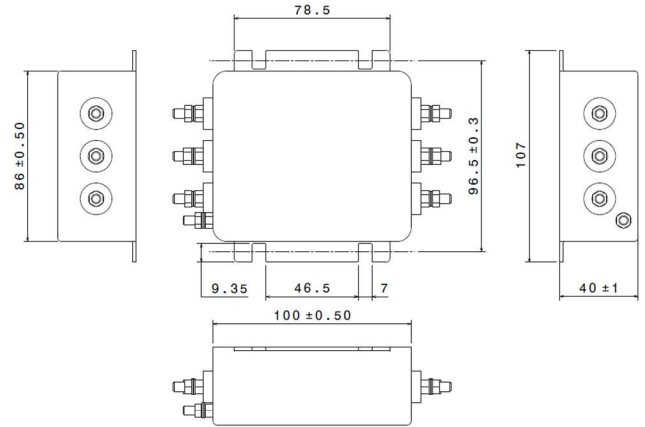
Filters with 520VAC are not covered under NEMKO

1 to 10A Types



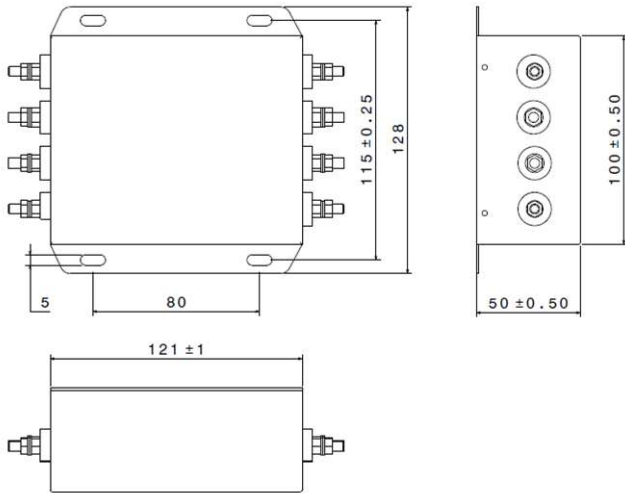
Material/Finish : CRCA/Nickel Plating

15A to 40A Types



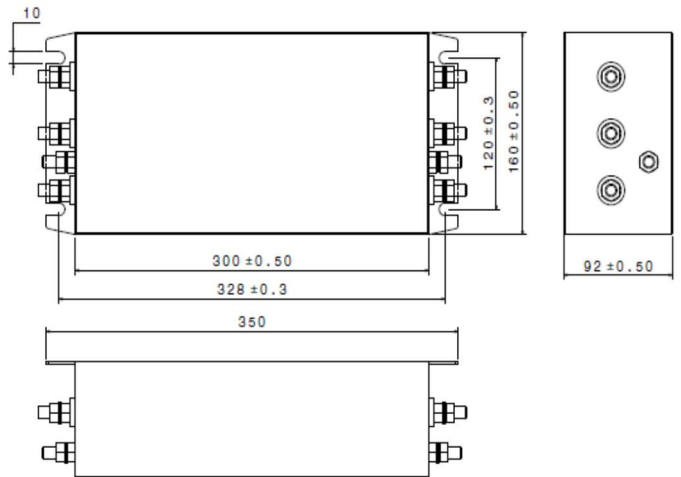
Material/Finish : CRCA/Nickel Plating

50A to 60A Type



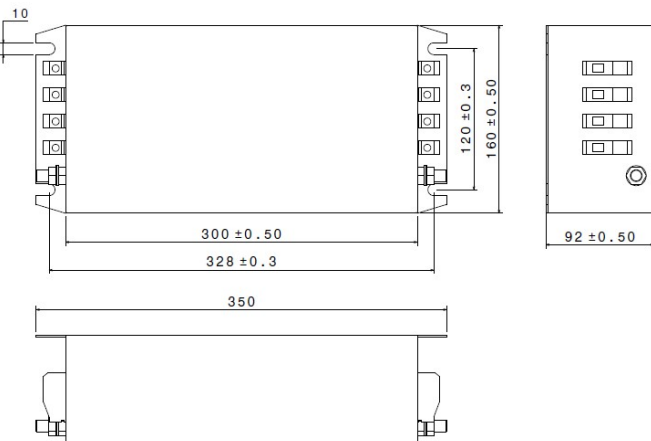
Material : Aluminium

75A to 150A Type



Material : Aluminium

75A to 100A (With Connector)



Material : Aluminium

For Screw type Connection

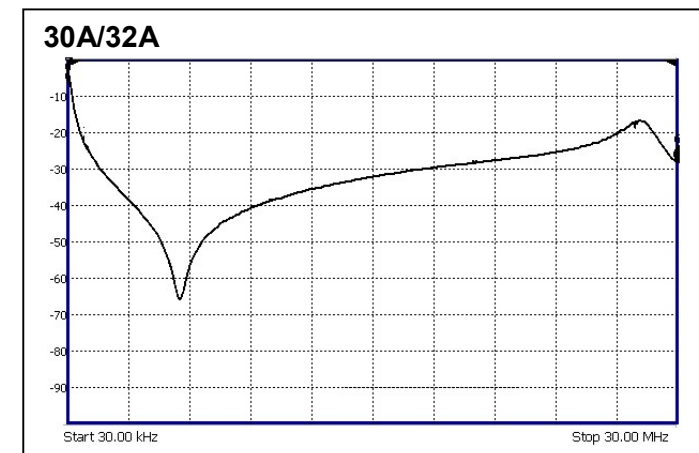
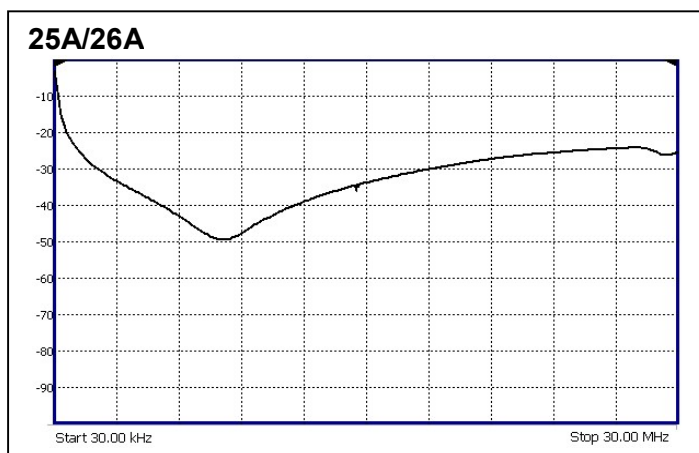
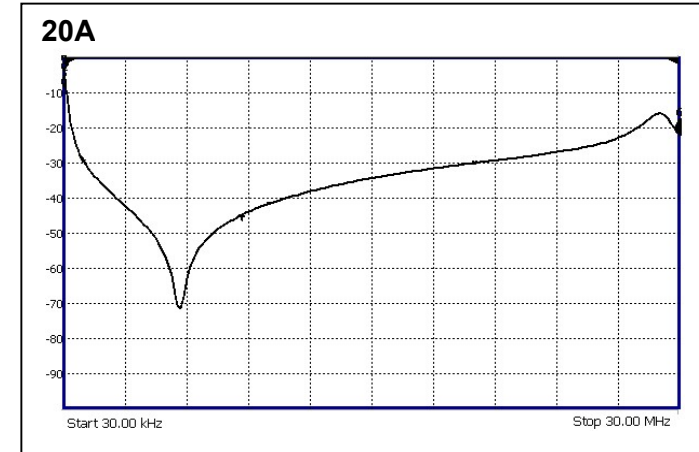
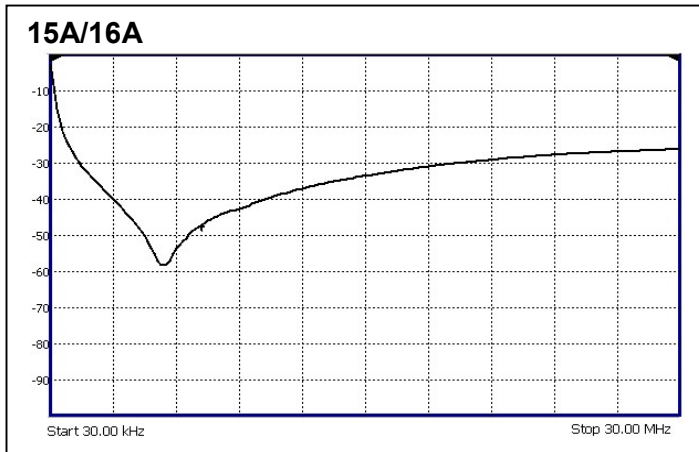
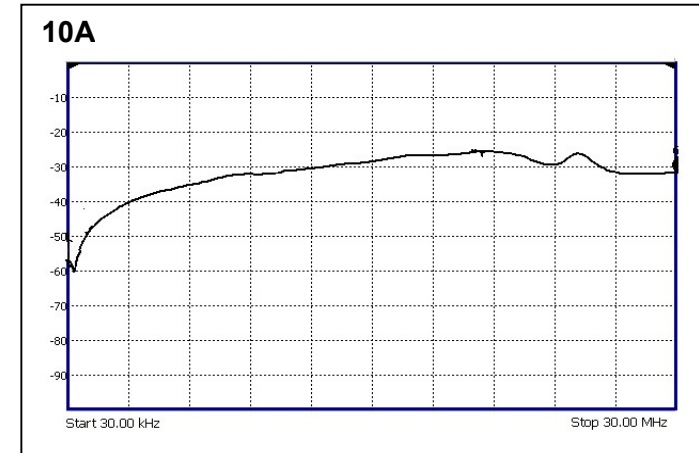
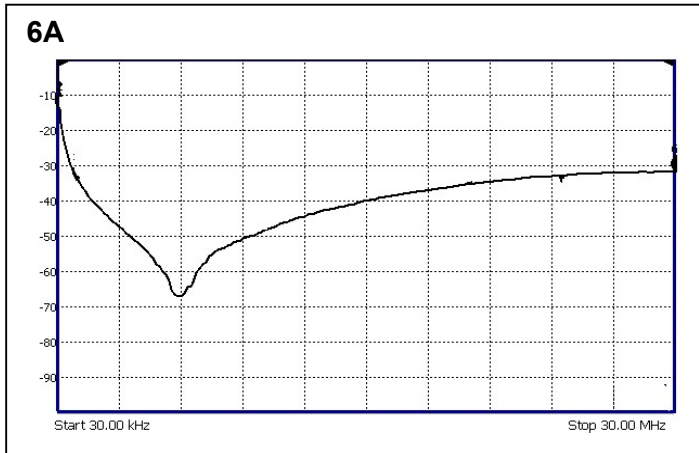
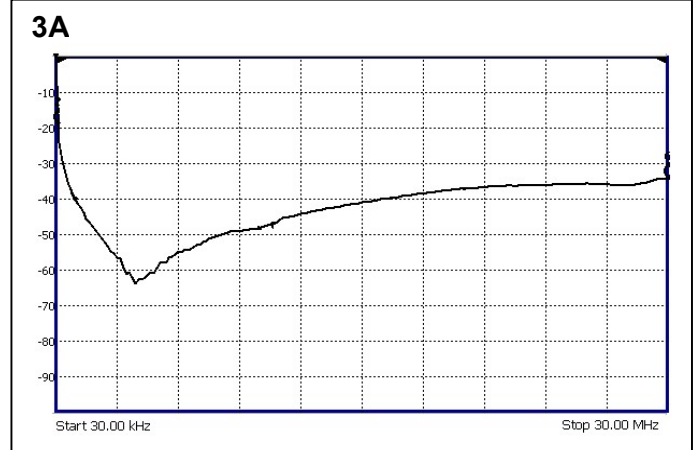
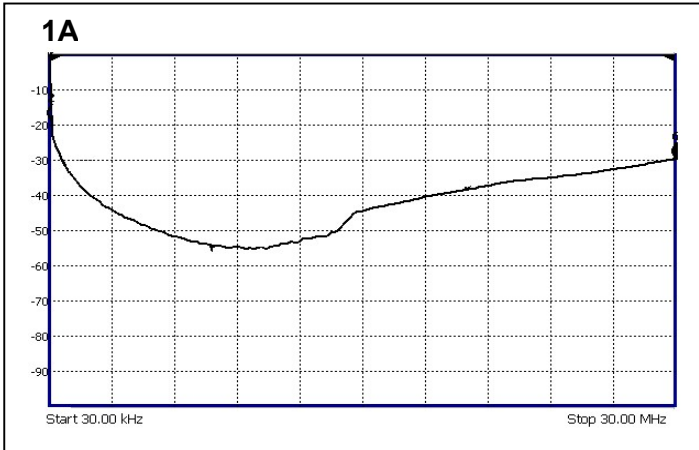
Thread Size	M5	M6	M8	M10
Recommended Torque (Nm)	2	2.5-3	3.5-6	4-10

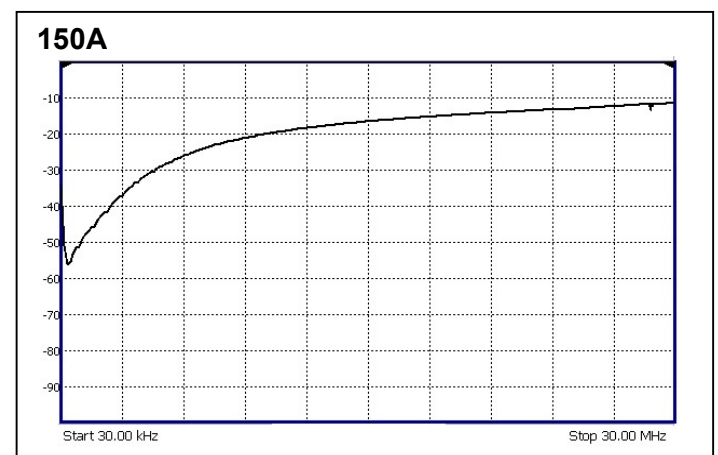
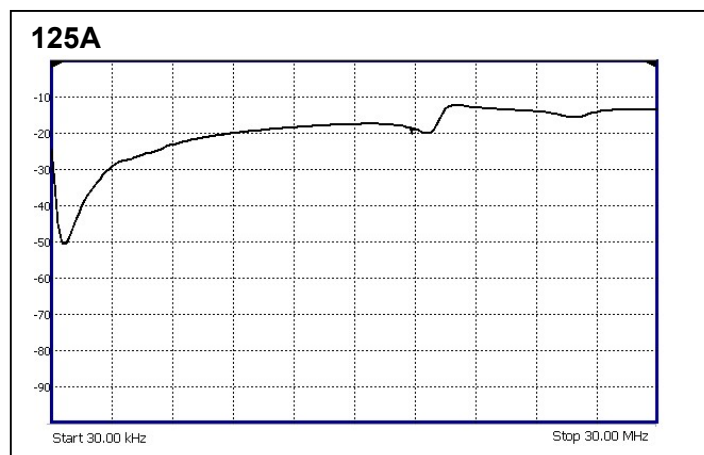
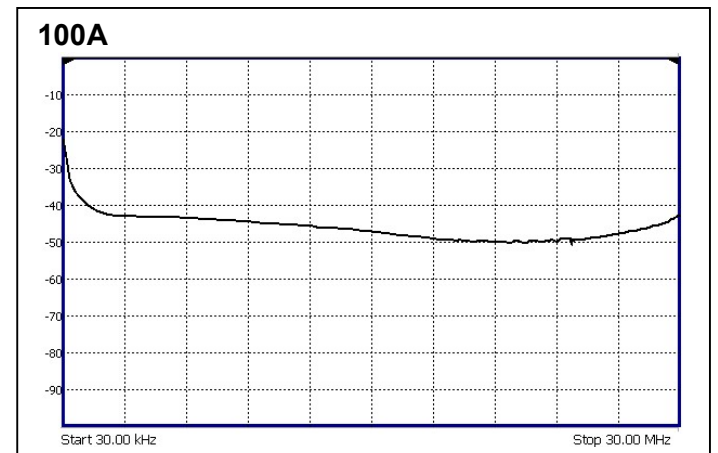
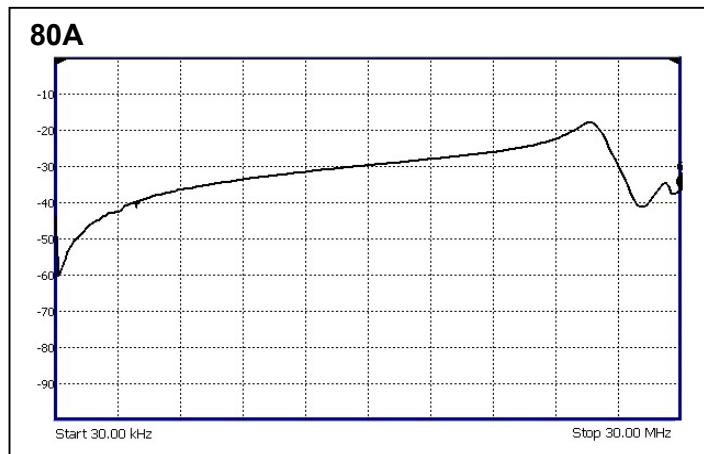
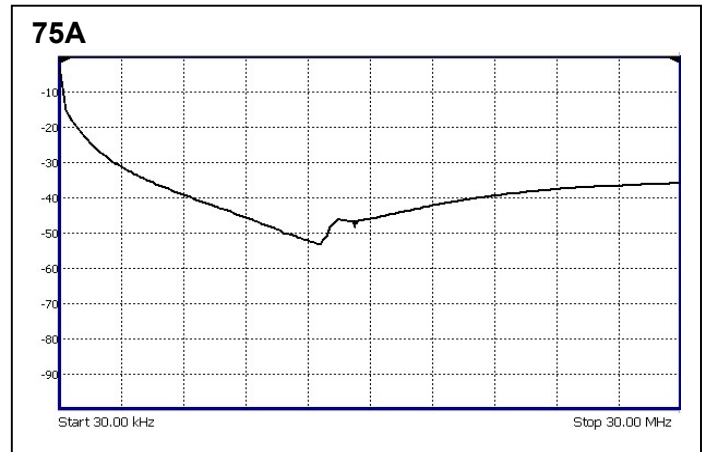
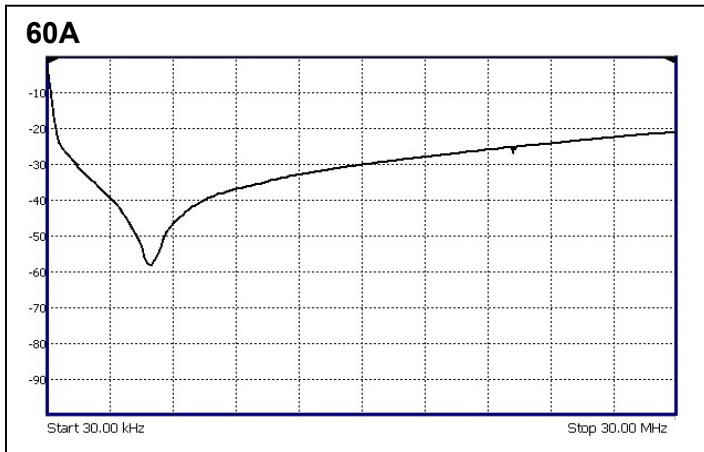
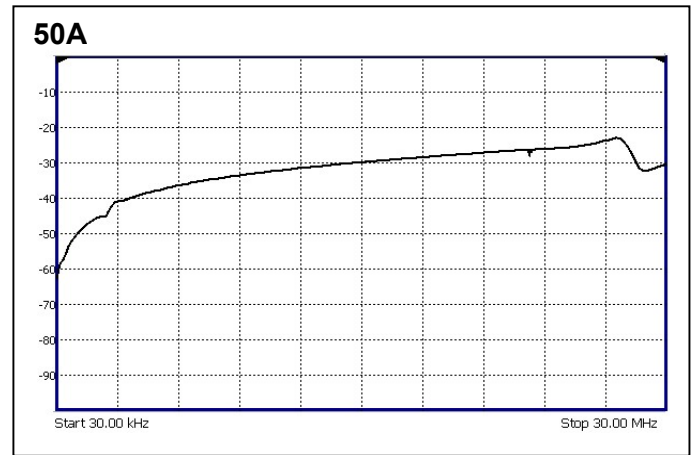
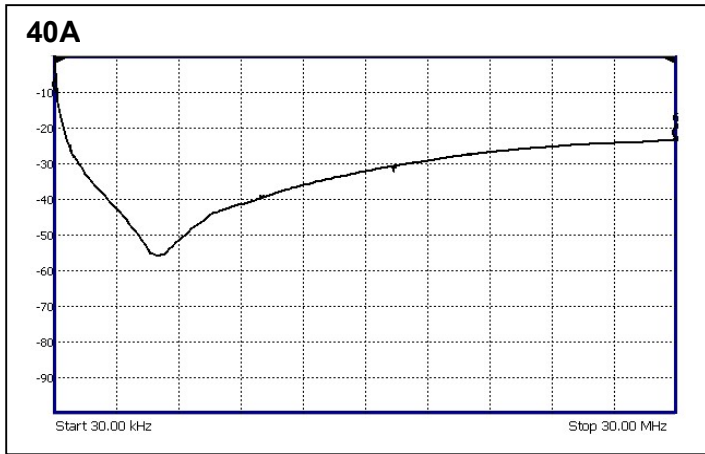
Connector Cross Sections

	16	25
Wire Section (mm ²)	16 mm ²	25 mm ²
Wire Section (AWG)	6 AWG	4 AWG
Wire Stripping	max 17 mm	max 17 mm
Max Recommended Torque	2÷2.2 Nm / 18÷19.8 in.lbs	2 Nm / 18 in.lbs

All dimensions in mm; Tolerances according to ISO2768-m

Insertion Loss – (Common Mode)





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