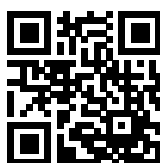


High performance dual-stage IEC C 14 and C 20 inlet filter

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[illegible]

Features and Benefits

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Typical Applications

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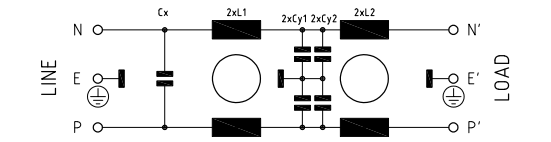
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Technical Specifications

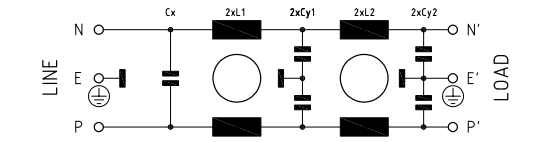
Maximum continuous operating voltage	250 VAC, 50/60 Hz
Nominal operating voltage	230 VAC
Rated currents	2 to 20 A @ 40°C
Operating frequency	DC to 400 Hz
High potential test voltage	P Δ> PE 2000V AC for 2 sec (standard types) P Δ> PE 2500V AC for 2 sec (B types) P Δ> N 760 V AC for 2 sec
Surge pulse protection (type)	Helps compliance to IEC61000-4-5 (Differential Mode only)
Temperature range (operation and storage)	-25°C to +85°C (25/85/21)
Protection category	IP 40 according to IEC 60529
Flammability corresponding to	UL 94 V-0
Approvals by rated current	ENEC and QC: IEC C14inlet - 2 to 10 A ENEC and QC: IEC C20inlet - 16 A UL: IEC C14inlet - 2 to 15A UL: IEC C20inlet - 16 to 20A UL: IEC C14inlet - 2 to 15A UL: IEC C20inlet - 16 to 20A UL: IEC C14inlet - 2 to 15A UL: IEC C20inlet - 16 to 20A
Design corresponding to	UL 60939-3, CSA 60939-3, IEC/EN 60939-3, GB/T 15287, GB/T 15288
MTBF (Mil-HB-217F)	>1,000,000 h @ 40°C/230 V

Detailed Electrical Schematic

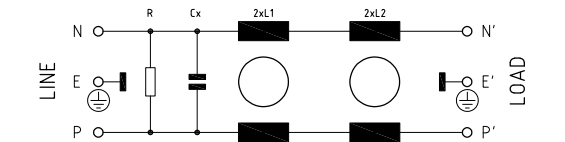
IEC Inlet Filter 850



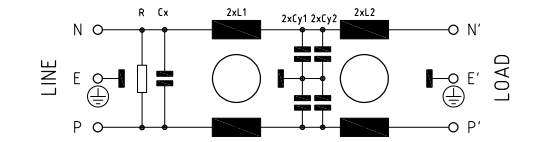
IEC Inlet Filter 4908



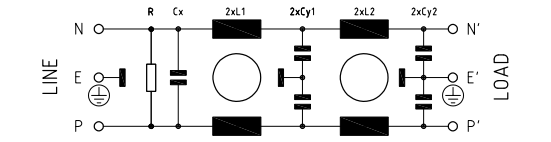
IEC Inlet Filter 850



IEC Inlet Filter 850



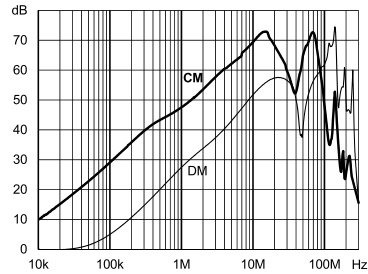
IEC Inlet Filter 4908



Typical Filter Attenuation

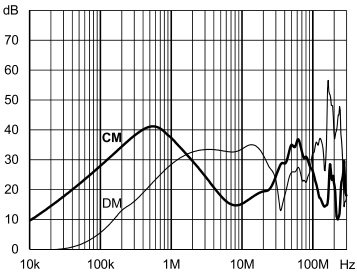
IEC Inlet Filter 850

500 pF



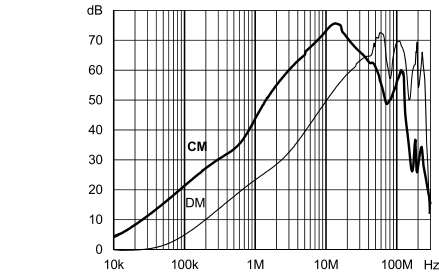
IEC Inlet Filter 4908

5000



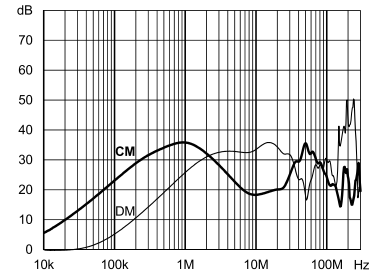
IEC Inlet Filter 850

780 pF

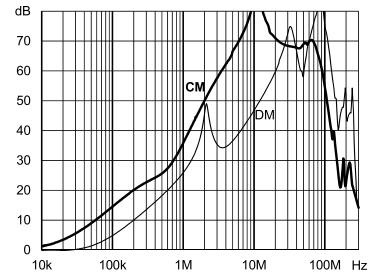


IEC Inlet Filter 850

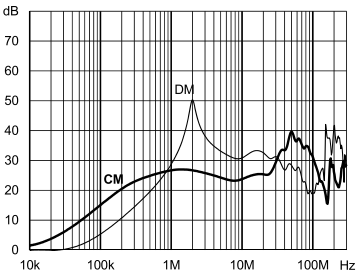
7800



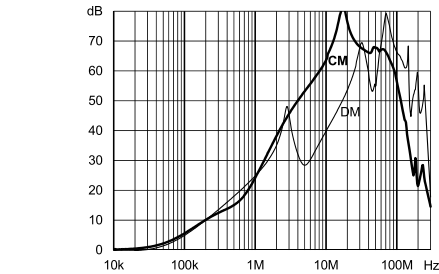
IEC Inlet Filter 850



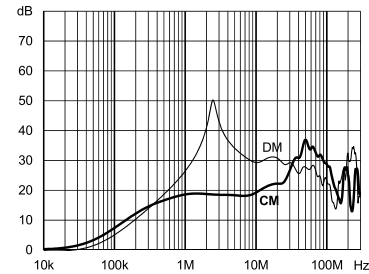
IEC Inlet Filter 850



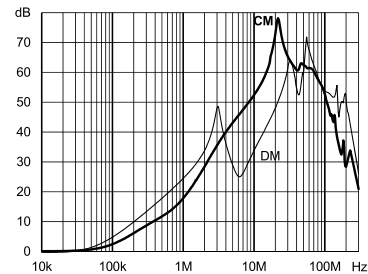
IEC Inlet Filter 850



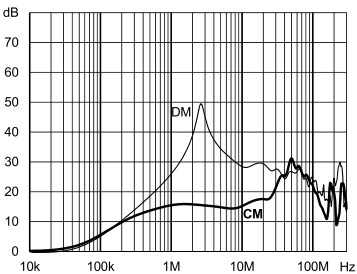
IEC Inlet Filter 850



IEC Inlet Filter 850



IEC Inlet Filter 850



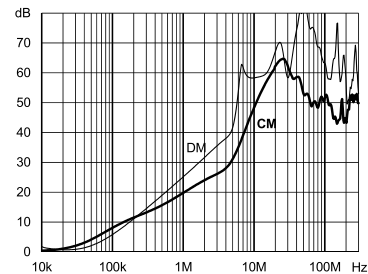
IEC Inlet Filter 850



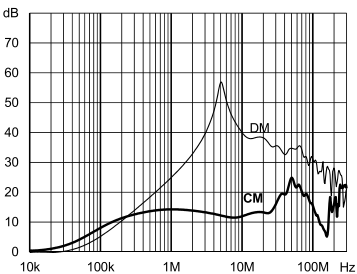
IEC Inlet Filter 850



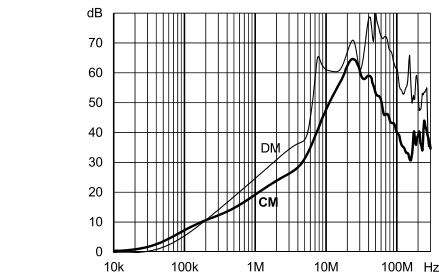
IEC Inlet Filter 850



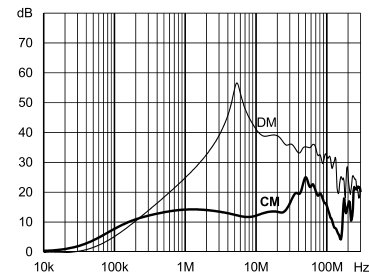
IEC Inlet Filter 850



IEC Inlet Filter 850



IEC Inlet Filter 850



Dimensions

		FN 9255	FN 9255 M	FN 9255 S
	2 to 15A	16 to 20A		
A	48	53	51.85	29.9
B	22.4	30	25	22.4
C	40±0.2	42±0.2	40±0.2	-
D	-06: 54.5, -07: 52.5	82	-06: 54.5, -07: 52.5	-06: 54.5, -07: 52.5
E	28.1±0.3	34.6±0.3	28.1±0.3	28.1±0.3
F	5.8±0.2	3.9±0.2	5.8±0.2	5.8±0.2
G	20.6±0.3	26.7±0.3	20.6±0.3	20.6±0.3
H	3.3	3.5	M3	M3
I	14±0.5	14±0.5	14±0.5	14±0.5
J	13.3	13.3	13.3	13.3
M	R 3	R 3	R 1	R 1
N	21.5 +0.5/-0	27.1 +0.2/-0	22.9 +0.2/-0	21.0 +0.1/-0
P	28.5 +0.5/-0	34.9 +0.2/-0	30.4 +0.2/-0	29.5 +0.1/-0
R	M3	M3	3.4	3.4
S	90i	90i		
T				1.5 - 2.2
Ø	AWG 18 (>6A: AWG 16)	AWG 14	AWG 18 (>6A: AWG 16)	AWG 18 (>6A: AWG 16)
Ø	100±5	100±5	100±5	100±5
Ø	6	6	6	6

BB 0 p (0) BBL L00 p *0 G00 0

000000 NS 70

000 0 0 p 0 0B 09ED85 09ED00

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