

IEC inlet filter

- Up to 20A current ratings
 - IEC 950-compliant
 - Excellent performance/size ratio
 - Optional medical version (B type)
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- Nennstrom bis 20A
 - IEC 950 konform
 - Hervorragendes Leistungs-/Größenverhältnis
 - Für medizinische Geräte als Option (Typ B)
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- Courant nominal jusqu'à 20A
 - Conforme à CEI 950
 - Très bon rapport performance / taille
 - Version médicale en option (type B)

FN 9246



Filter selection table

Choose the FN 9246 filter with the required body style and features, and add -?? to determine current rating.

Approvals



*Semko only for 1, 3, 6, 10 and 16A

Family	Current ratings A at 40°C (25°)								Connection
	1 (1.2)	3 (3.5)	6 (7.2)	10 (12)	12 (14)	15 (18)	16 (18.5)	20 (23)	
FN 9246-??-06	-1	-3	-6	-10	-12	-15	-16	-20	06
Inductance L mH									
	50	14	7	3	1.85	0.89	2.5	1.5	

Additional specifications

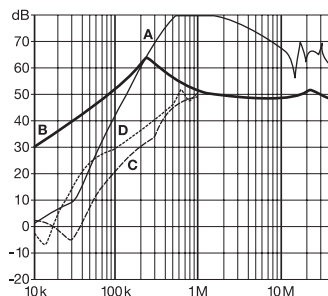
Filter type	Capacitance		Max leakage μA/phase	Res. R kΩ	Weight g	Maximum operating voltage		Operating frequency Hz	Hipot test voltage	
	ΣCx μF	Cy nF				VAC	Hz		PN→E VAC	P→N VDC
Standard types up to 15A	1.22	2.2	210	470	140	250	50/60	DC to 400	2000	1100
Standard types 16A, 20A	1.22	4.7	440	470	275	250	50/60	DC to 400	2000	1100
B types (medical) up to 15A	1.22		2	470	140	250	50/60	DC to 400	2500	1100
B types (medical) 16A, 20A	1.22		2	470	275	250	50/60	DC to 400	2500	1100

MTBF at 40°C, 230V, per Mil-HB-217F: 1,600,000 hours

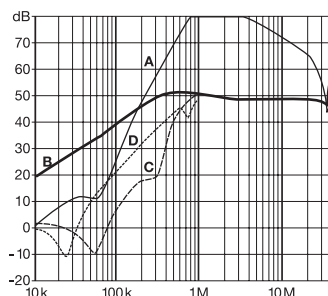
FN 9246 insertion loss

Per CISPR 17; A = 50Ω/50Ω sym.; B = 50Ω/50Ω asym.; C = 0.1Ω/100Ω sym.; D = 100Ω/0.1Ω sym.

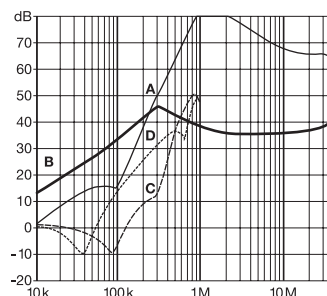
1 amp types



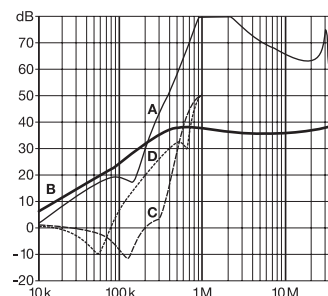
3 amp types



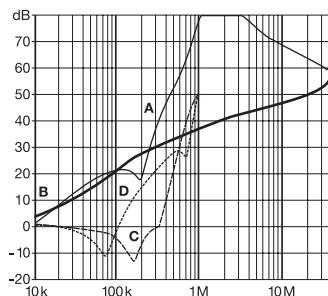
6 amp types



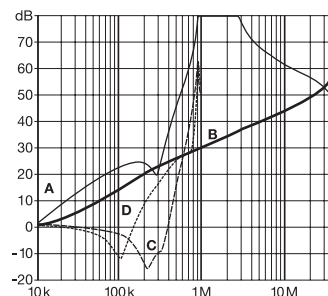
10 amp types



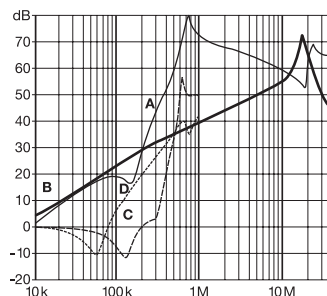
12 amp types



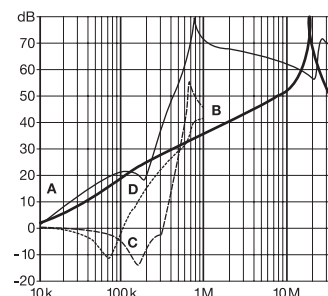
15 amp types



16 amp types

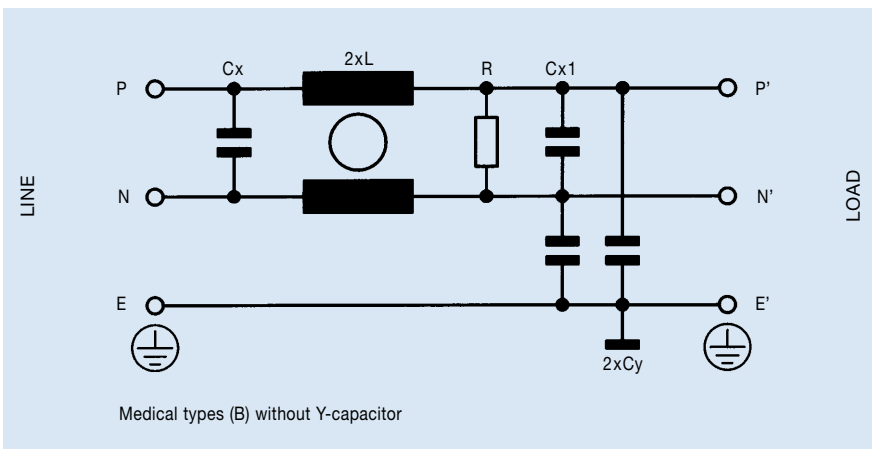


20 amp types



The asymmetric attenuation properties of the medical version (B) differ from those of the standard versions

Electrical schematic

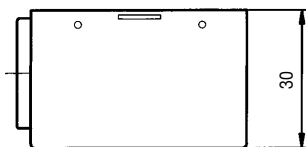


See tables for component values

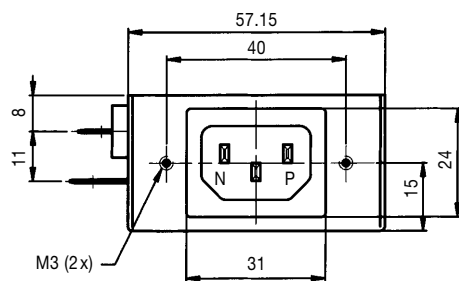
Mechanical data

1 to 15 amp types

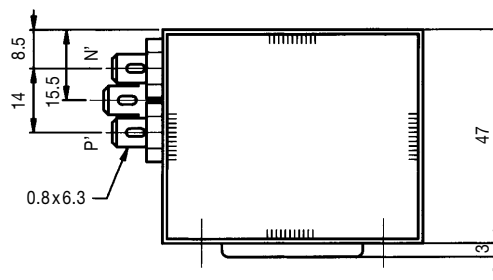
Side



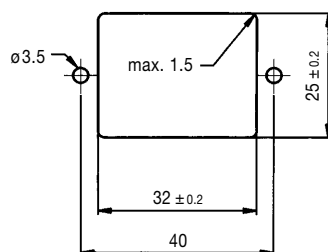
Front



Top

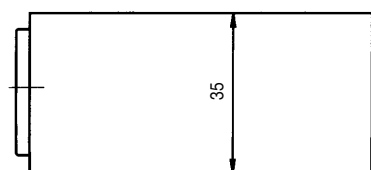


Panel cut-out

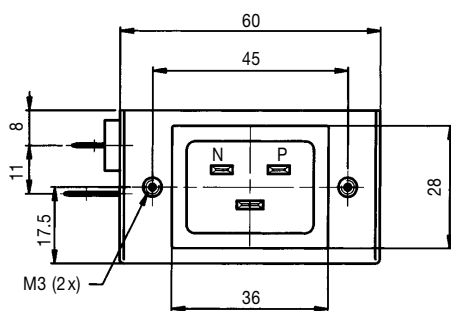


16 and 20 amp types

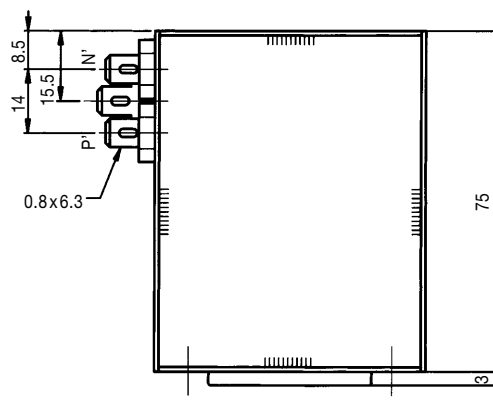
Side



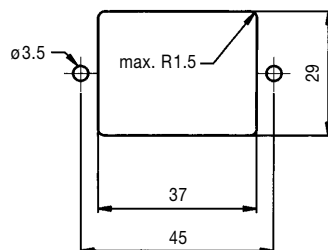
Front



Top



Panel cut-out



All dimensions in mm; 1 inch = 25.4mm