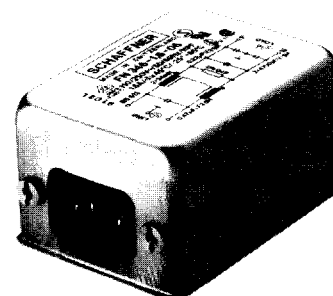


Performance power entry module

FN 346

This module offers IEC 950-compliant power entry with excellent filtering performance thanks to the use of a U-core plus large inductor and X and Y capacitor components. Very high symmetrical attenuation makes the FN 346 an ideal choice for switched-mode power supply equipment applications, and any other form of circuitry involving non-sinusoidal waveforms.

- up to 10A current ratings
- IEC 950-compliant
- very high performance filtering
- optional medical version (B type)



See Mechanical Data (page 41) for details of housings and output connections.

Filter selection table

Choose the family **FN xxx** with the required body style and features, and add **-??** to determine current rating, and **/??** for output connections. Example: FN 346-6/06 is a screw-mounting filter, rated for 6A, with fast-on outputs.

Approvals



Family	Current ratings A at 40°C (25°)				Output connection		Housing style
	1.6 (1.9)	2.5 (3)	6 (7.3)	10 (10)			
FN 346 -?? /??	-1.6	-2.5	-6	-10	/06	/07*	✓
Inductance L mH							
	34	18	3	0.7			

Additional specifications

Filter type	Capacitance			Maximum leakage μA/phase	Res. R MΩ	Weight g	Maximum operating voltage		Operating frequency Hz	Hipot test voltage	
	Cx nF	Cx1 nF	Cy nF				VAC	Hz		PN→E VAC	P→N VDC
All standard types	470	220	4.7	410	0.47	330*	250	50/60	DC to 400	2000	1700
B types (medical)	470	220	-	5	0.47	330*	250	50/60	DC to 400	2500	1700

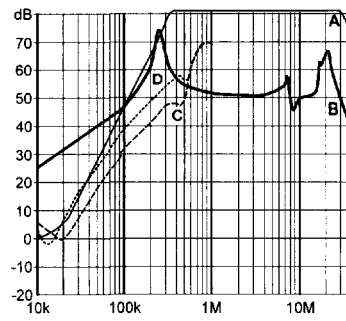
MTBF at 40°C, 230V, per Mil-HB-217F: 330,000 hours

* /07 outputs add 5g to weight

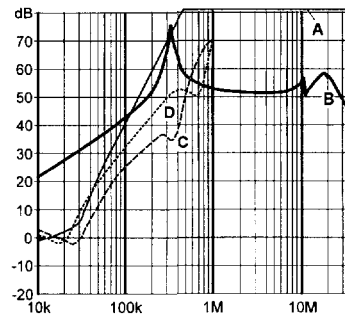
Insertion loss

Per CISPR 17; A = $50\Omega/50\Omega$ sym, B = $50\Omega/50\Omega$ asym, C = $0.1\Omega/100\Omega$ sym, D = $100\Omega/0.1\Omega$ sym

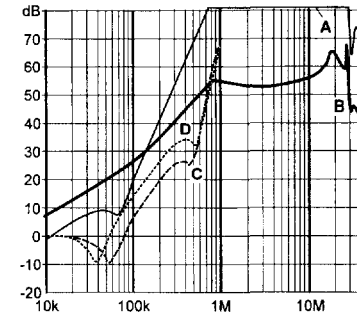
1.6 amp types



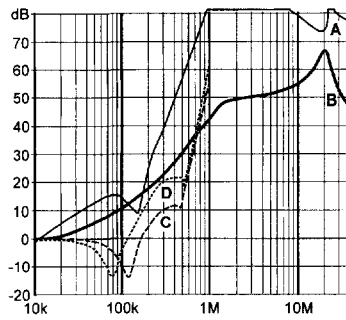
2.5 amp types



6 amp types

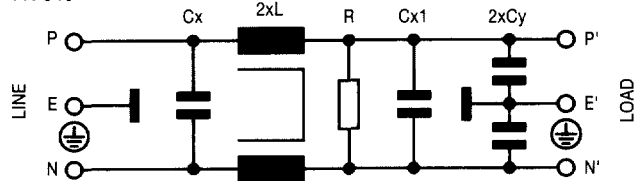


10 amp types

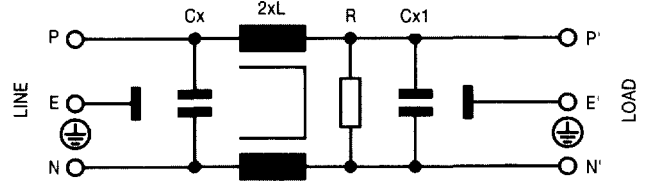


Electrical schematics

FN 346



FN 346B



See tables for component values