

Versatile power entry module

- up to 10A current ratings
 - IEC 950-compliant (twin fuse configurations only)
 - general-purpose or high-performance filtering
 - for one or two fuses (Ø5 x 20 or Ø6.3 x 32mm)
- Nennstrom bis 10A
 - IEC 950 konform (nur Konfigurationen mit zwei Sicherungen)
 - Universal- oder Hochleistungsfilterung
 - Für eine oder zwei Sicherungen (Ø5 x 20mm oder Ø6,3 x 32mm)
- courants de service pouvant atteindre 10A
 - conforme à CEI 950 (uniquement pour les configurations à deux fusibles)
 - applications universelles ou de hautes performances
 - pour un ou deux fusibles (Ø5 x 20mm ou Ø6,3 x 32mm)



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 394-1/05 is a vertical screw-mounting filter for twin fuses, rated for 1A, with fast-on outputs.

Approvals



Family	Current ratings A at 40°C (25°)				Output	Housing	For fuse(s) Nbr.
	1 (1.2)	2.5 (3)	6 (7.2)	10 (12)			
FN 393 -?? /??	-1	-2.5	-6	-	/05 - 11	✓	1
FN 394 -?? /??	-1	-2.5	-6	-	/05 - 11	✓	2

Inductance L mH			
7.5	2	0.45	-

Family	Current ratings A at 40°C (25°)				Output	Housing	For fuse(s) Nbr.
	1 (1.2)	2.5 (3)	6 (7.2)	10 (12)			
FN 1393 -?? /??	-1	-2.5	-6	-10	/05 - 11	✓	1
FN 1394 -?? /??	-1	-2.5	-6	-10	/05 - 11	✓	2

Inductance L mH			
16	8	2.5	0.6

Additional specifications

Filter type	Capacitance			Maximum leakage µA/phase	Res. R MΩ	Earth L _E mH	Weight g	Maximum operating volt.		Operating frequency Hz	Hipot test voltage	
	C _x nF	C _{x1} nF	C _y nF					VAC	Hz		PN→E VAC	P→N VDC
FN 393/394 types	220	-	3.3	290	1	-	200	250	50/60	50 to 400	2000	1700
FN 393E/394E types	220	-	3.3	290	1	0.4	205	250	50/60	50 to 400	2000	1700
FN 1393/1394 types	220	100	4.7	410	0.47	-	210	250	50/60	50 to 400	2000	1700

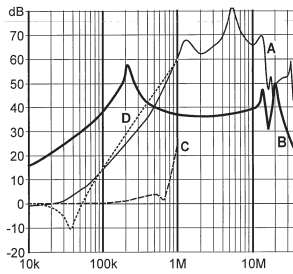
MTBF at 40°C, 230V, per Mil-HB-217F: 700,000 hours (FN 39X); 550,000 hours (FN 139X)

*For medical versions, please contact your local sales office or representative.
E types are optional

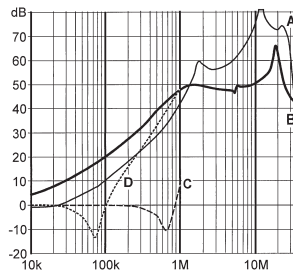
FN 390 insertion loss

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

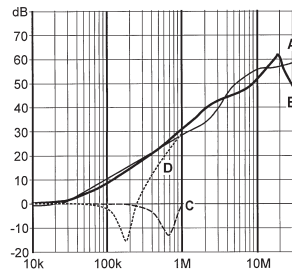
1 amp FN 39X types



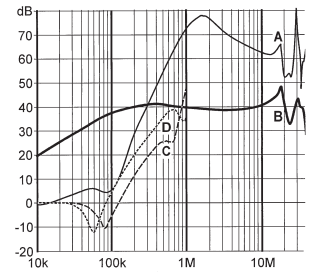
2.5 amp FN 39X types



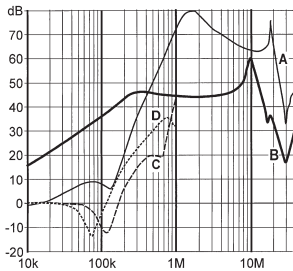
6 amp FN 39X types



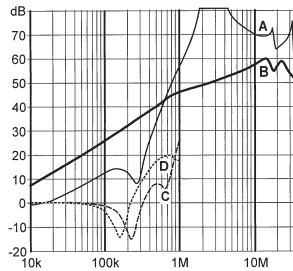
1 amp FN 139X types



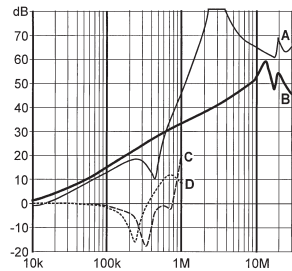
2.5 amp FN 139X types



6 amp FN 139X types

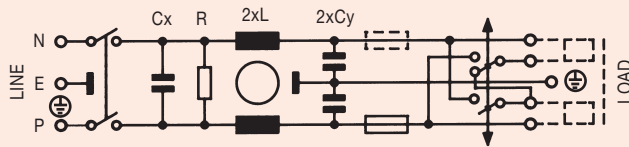


10 amp FN 139X types

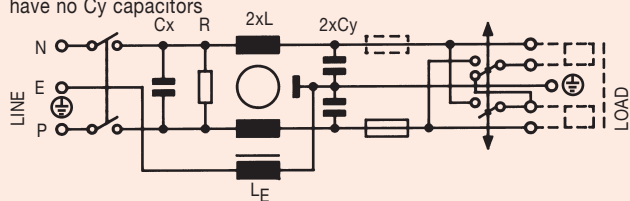


Electrical schematics

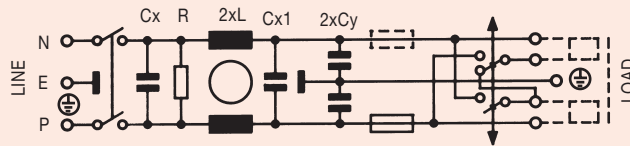
FN 393, FN 394 (have second fuse - shown dotted), medical* types have no Cy capacitors



FN 393E, FN 394E (have second fuse - shown dotted), medical* types have no Cy capacitors



FN 1393, FN 1394 (have second fuse - shown dotted), medical* types have no Cy capacitors

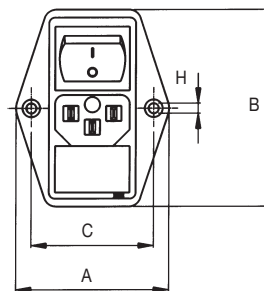


See tables for component values

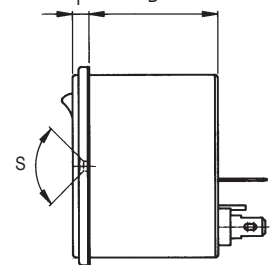
Mechanical data

		Tol. mm
A	50	± 0.3
B	65	± 0.3
C	40	± 0.1
D	69.5	± 0.3
F	5.5	± 0.3
H	∅3.3	-
M	R≤2.5	-
N	60.8	± 0.7
P	29.3	± 0.2
R	M3	-
S	90°	-

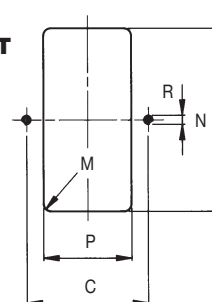
FRONT



SIDE

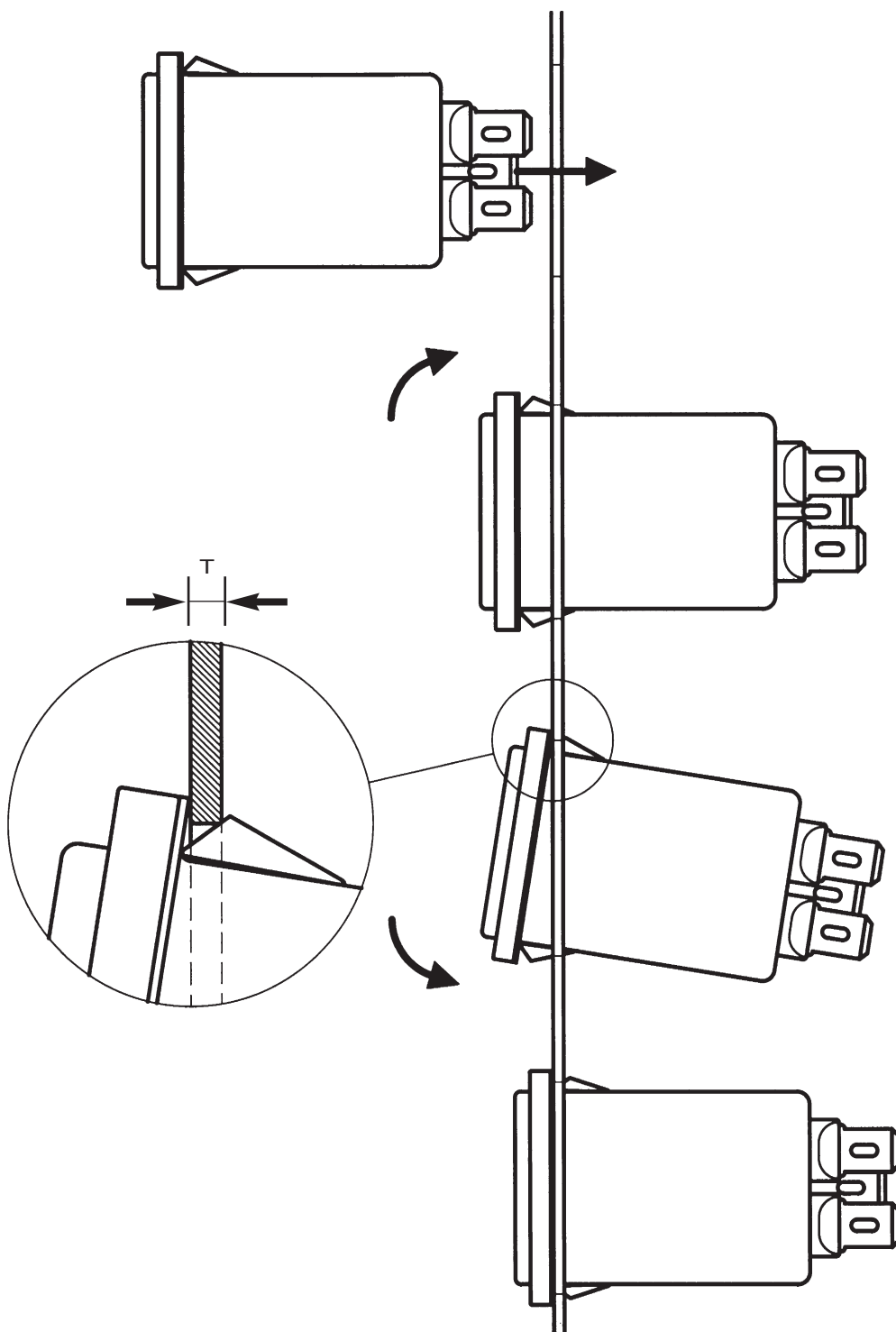


PANEL CUT-OUT



All dimensions in mm; 1 inch = 25.4mm

Installation instructions snap-in FN 9222S/FN 9223S/FN 9224S/FN 9260S



Filter type FN 92xxS-??/??	Thickness of mounting panels T
- 05	0.5 - 1.0mm
- 10	1.0 - 1.5mm
- 15	1.5 - 2.0mm