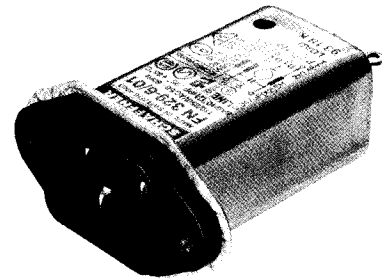


Performance power entry module

FN 329

This family provides IEC 950-compliant power entry in a compact form, with an integrated earth line choke for high performance at high frequencies, and good protection against interference from external sources.

- up to 6A current ratings
- IEC 950-compliant
- high performance filtering
- integrated earth line choke
- compact size
- optional medical versions (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 329-1/05 is a horizontal screw-mounting filter, rated for 1A, with fast-on outputs.

Approvals



Family	Current ratings A at 40°C (25°)			Output connection		Housing
	1 (1.2)	3 (3.6)	6 (7.3)			
♥ FN 329 -?? /??	-1	-3	-6	/01	/05	✓
Inductance L mH						
	6.3	1.25	0.48			

♥ = preferred type

Additional specifications

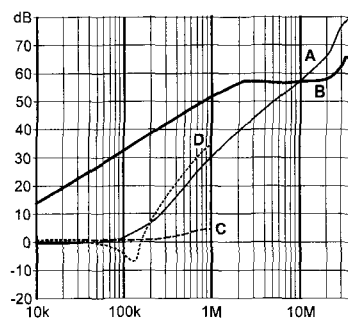
Filter type	Capacitance		Maximum leakage μA/phase	Res. R MΩ	Earth L _E mH	Weight g	Maximum operating voltage		Operating frequency Hz	Hipot test voltage	
	C _x nF	C _y nF					VAC	Hz		PN→E VAC	P→N VDC
All standard types	47	3.3	290	-	0.4	55	250	50/60	DC to 400	2000	1700
B types (medical)	47	-	3	1	0.4	55	250	50/60	DC to 400	2500	1700

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

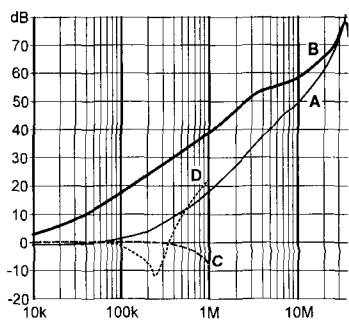
Insertion loss

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

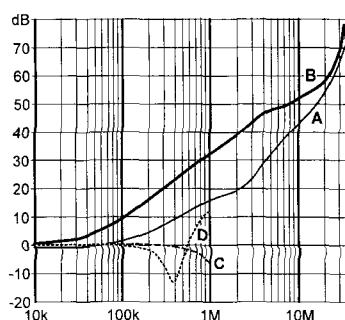
1 amp types



3 amp types

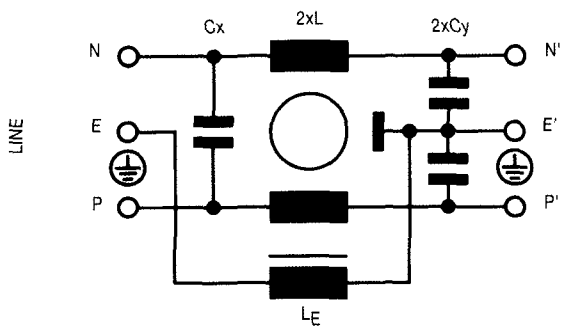


6 amp types

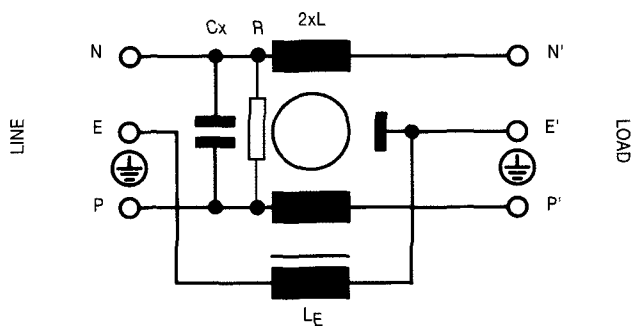


Electrical schematics

FN 329



FN 329B



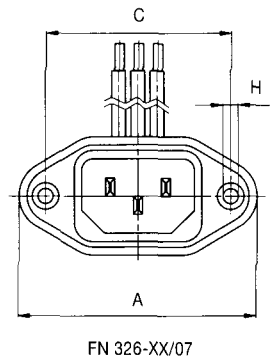
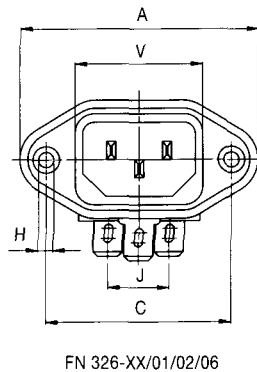
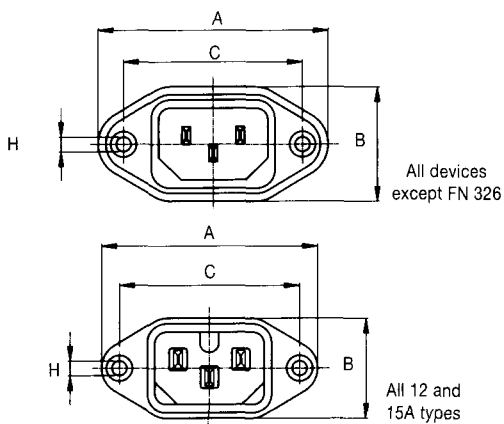
See tables for component values.

Mechanical Data

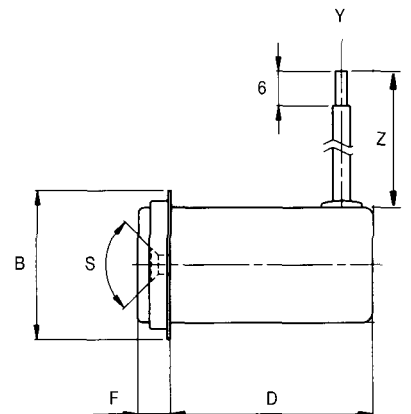
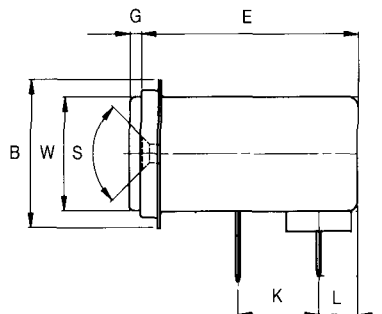
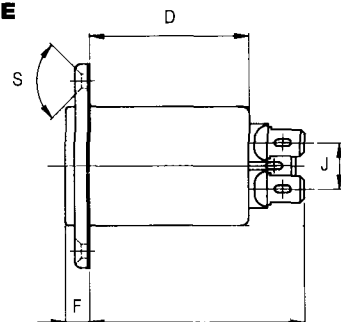
SCHAFFNER

	FN 321	FN 329	FN 326 /01/02/06 types	FN 326 /07 type	Tol. mm		FN 9222 up to 10A	FN 9222 12-15A	FN 9223	Tol. mm
A	51.5				± 0.5	A	48		51.5	± 0.5
B	26				± 0.3	B	22.5		26	± 0.3
C	40				± 0.1	C	40			± 0.1
D	46.6			34.9	± 0.3	D	37.7	46.5	34.4	± 0.3
E			38.2		± 0.4	E				± 0.4
F	5.5			5.5	± 0.3	F	5.5			± 0.3
G			2.2		-	G				-
H	Ø3.3				-	H	Ø3.3			-
J	10.9		12.3		± 0.5	J	10.9		12.5	± 0.3
K			14.25		± 0.5	K				± 0.5
L			6.8		± 0.3	L				± 0.3
M	R≤3			R≤6	-	M	R≤3			-
N	21.5		20.5	22.9	± 0.2	N	21.5			± 0.2
P	40		28	30.4	± 0.2	P	28.5			± 0.2
R	M3		Ø3.5	M3	-	R	M3			-
S	90°				-	S	90°			-
V			27.5		± 0.25	V				± 0.25
W			20		± 0.3	W				± 0.3
Y				100	± 5	Y			160	± 5
Z				AWG 18	-	Z			AWG 18	-

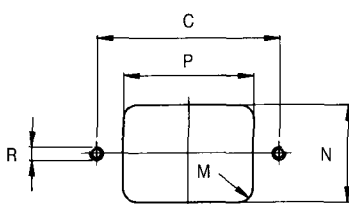
FRONT



SIDE



PANEL CUT-OUT



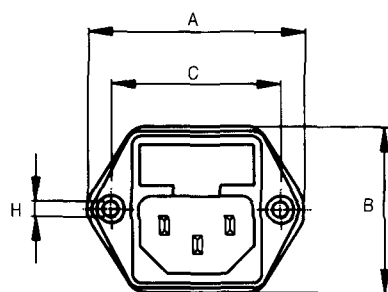
Mechanical Data

SCHAFFNER

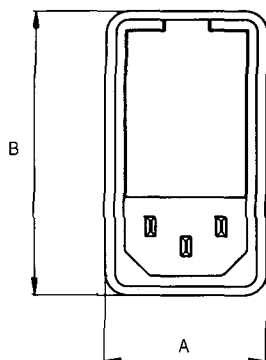
FN 9260 FN 261			FN 370/72 FN 380/82		FN 375 FN 385	FN 376/78 FN 386/88	FN 379 FN 389	Tol. mm
A	46	± 0.3	32			50		± 0.3
B	36	± 0.3				58		± 0.3
C	36	± 0.2				40		± 0.1
D	41	± 0.3	56.5	66.5		56.5	66.5	-
F	5.5	± 0.3				5.5		-
H	Ø3.3	± 0.1				Ø3.3		-
J	12.5	± 0.3				R≤2		± 0.1
M	R≤3.5	-						± 0.1
N	33.2	± 0.1	56 ⁽¹⁾ - 56.3 ⁽²⁾			28.6		± 0.1
P	29.2	± 0.1						-
R	M3	-					M3	-
S	90°	-					90°	-

⁽¹⁾ Wall thickness 0.8 mm to 2.0 mm ⁽²⁾ Wall thickness 2.1 mm to 3.2 mm

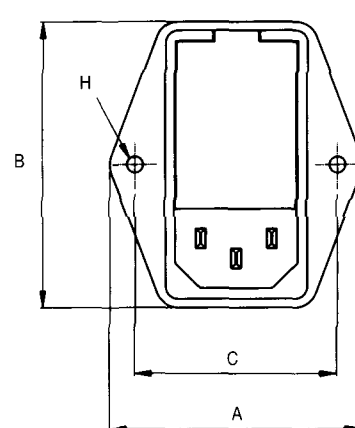
FRONT



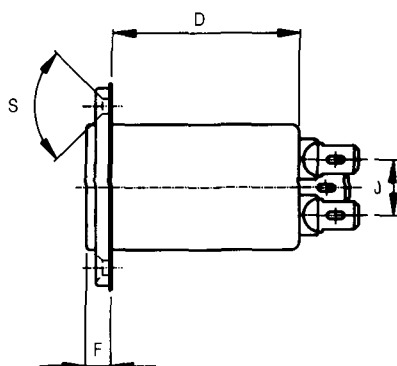
FN 9260, 261



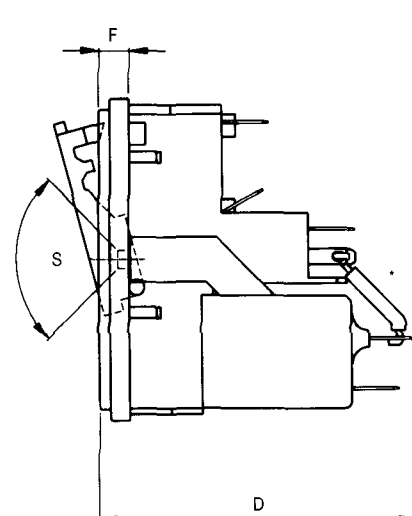
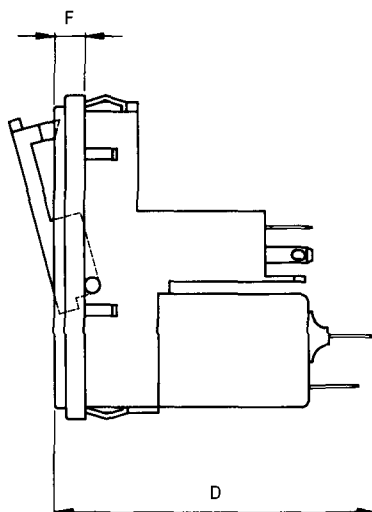
FN 370, 380



TOP



SIDE



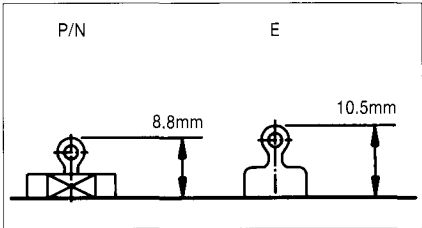
* Wire mounted on fully assembled FN370s only

Filter output connections

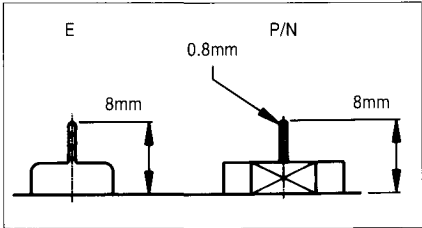


These are the standard types of output connections available for Schaffner's range of IEC inlet filter families. All terminals are made from 'German silver', an alloy of copper, nickel and zinc. Type /06 is, in general, Schaffner's preferred option.

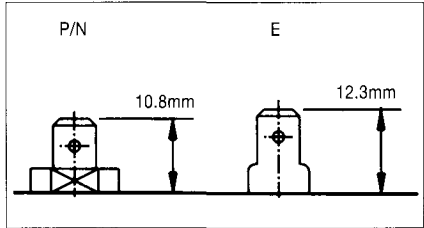
Schaffner can also produce filters with other popular output connectors, or user-specific interfaces, to custom order. In most cases, these options do not affect safety approvals. Please call your local sales office to discuss any custom requirements.



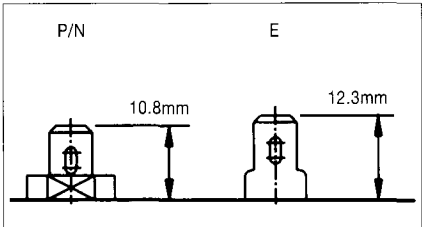
Type /01
Solder lug with a hole capable of accommodating several small wires.



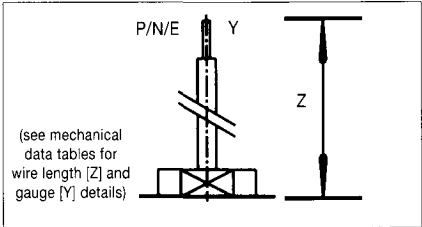
Type /02
Pin suitable for direct assembly onto through-hole printed-circuit boards.



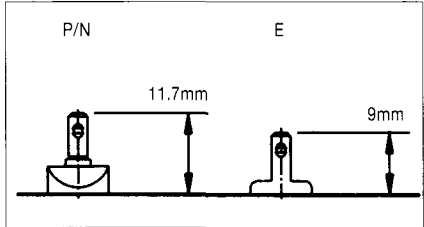
Type /05
Industry-standard size fast-on terminal.



♥ **Type /06**
Industry-standard size fast-on which may also be used as a solder lug.



Type /07
Insulated wire, stripped ready for soldering. Wire gauge varies according to filter.



FN 370 and FN 380 only
These two IEC filter families are supplied fitted with this industry-standard size mini fast-on.

Cross reference list AWG to copper area in mm²

AWG number	Cu mm ² (approx)
22	0.33
20	0.54
18	0.83
16	1.34
14	2.15
12	3.44

1 inch = 25.4mm