

PBH Series

16/20A HIGH CURRENT, SNAP-IN/FLANGE MOUNT FILTER WITH IEC 60320 AC INLET SOCKET.



FEATURES

The PBH series offers filters for application that have high current (16/20A) requirements. The filters are available with different configurations of components and termination styles. These filters are available in flange mount and snap-in type. The medical grade filters offer excellent performance with maximum leakage current of 2 μ A at 120VAC, 60Hz.

A ground choke can be added to enhance the grounding ability of the circuit. A bleeder resistor can also be added to prevent excessive voltages from developing across the filter capacitors when there is no load.

APPLICATIONS

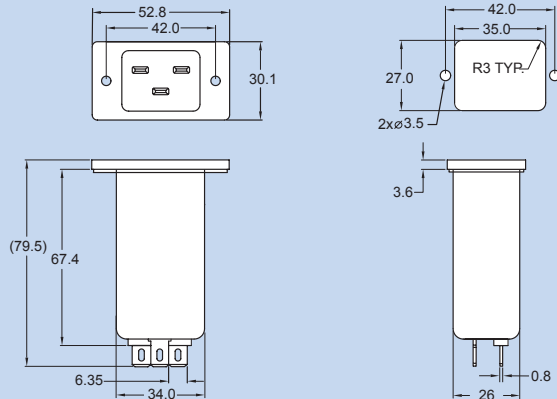
Computer & networking equipment, Measuring & control equipment, Data processing equipment, laboratory instruments, Switching power supplies, other electronic equipment.

TECHNICAL DATA

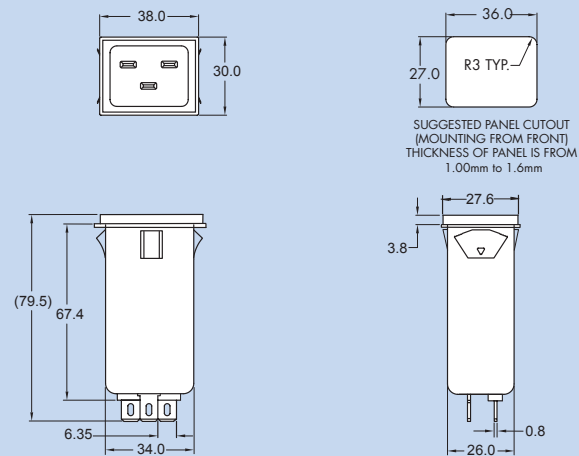
- Rated Voltage: 115/250VAC
 - Rated Current: 16A, 20A
 - Power Line Frequency: 50/60Hz
 - Max. Leakage Current each Line to Ground:
 - @ 115VAC 60Hz: 0.25mA
 - @ 250VAC 50Hz: 0.50mA
 - @ 115VAC 60Hz: 2 μ A*
 - @ 250VAC 50Hz: 5 μ A*
 - Hipot Rating (one minute)
 - Line to Ground: 2250VDC
 - Line to Line: 1450VDC
 - Temperature Range: -25C to +85C
- + SEMKO, VDE approved to 16A
* Medical application

MECHANICAL DIMENSIONS (Unit: mm)

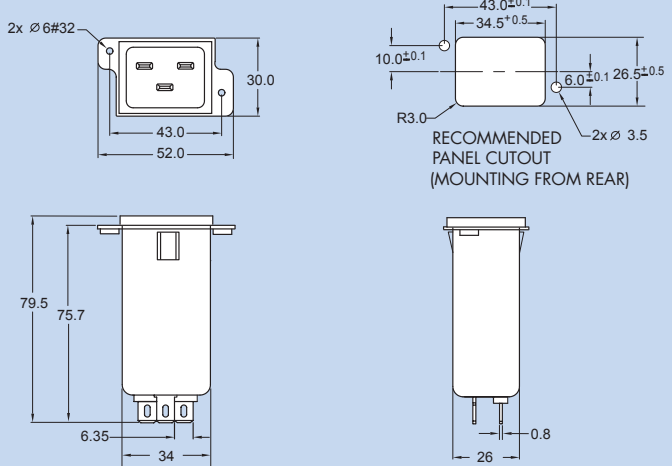
CASE F



CASE U




CASE O

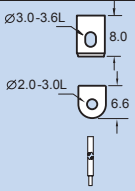


Specifications subject to change without notice. Dimensions (mm). See Appendix A for recommended power cord. See PDI full line catalog for detailed specifications on power cords.

PBH Series Example & Ordering Code

PBH 20 Q - 60 - 1 C U

CURRENT RATING (A):  = 16
= 20

TERMINAL:  QUICK CONNECT = Q
6.3/0.25
4.0/0.187
SOLDER = S
UL 1015, 18AWG STRANDED, 4" WIRE = W

OPTIONS: NO BLEEDER RESISTOR & NO GROUND CHOKE = 00
BLEEDER RESISTOR (1W, 1M) = 60
BLEEDER RESISTOR (1W, 1M) & GROUND CHOKE = 80
GROUND CHOKE (100µH) = 90

COMPONENT LOCATIONS: STANDARD TYPE = 1
WITHOUT C(X); C(Y) ONLY = 2+
C(X) & C(Y) BEHIND L = 3+
WITHOUT C(Y); C(X) ONLY = 1M
WITHOUT C(Y); C(X) BEHIND L = 2M+

ATTENUATION CODE TABLE:

Non-Medical applications, select Attenuation code with corresponding component values from the table.

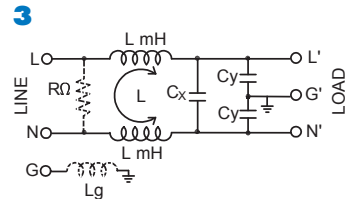
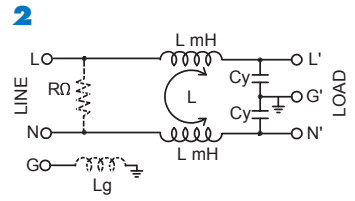
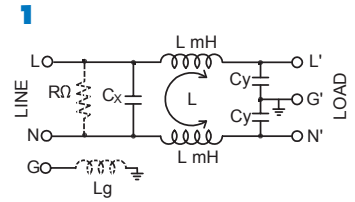
Case Code	Cap. Cx (µF)	Cap. Cy (pF)	20A (mH)	
F,O,U	0.1	2200	0.5	= A
F,O,U	0.1	3300	0.5	= B
F,O,U	0.33	2200	0.5	= C

Medical applications, select Attenuation code with corresponding component values from the table.

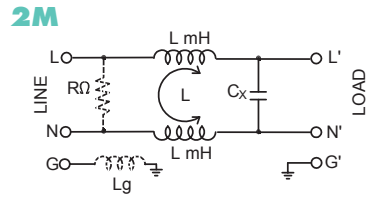
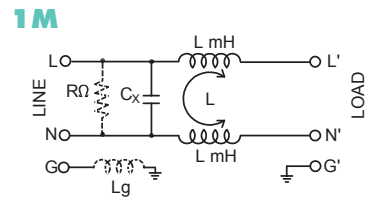
Case Code	Cap. Cx (µF)	16/20A (mH)	
F,O,U	0.1	0.5	= M1
F,O,U	0.33	0.5	= M2

CASE CODE: FLANGE MOUNT = F
SNAP-IN TABS - SIDE = U
REAR PANEL MOUNT = O

SCHEMATICS



MEDICAL SCHEMATICS



*Contact PDI for attenuation numbers

Non-Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Comm. Mode(L-G) in MHz					Diff. Mode(L-L) in MHz				
	.15	.5	1	5	10 30	.15	.5	1	5	10 30
A	17	22	26	43	51 43	8	18	24	45	43 35
B	17	23	28	47	57 45	8	18	23	51	54 34
C	17	22	26	43	51 43	18	28	33	46	53 35

*This table applies to schematic 1 only. Visit our website or contact PDI for other schematic attenuation numbers.

Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Comm. Mode(L-G) in MHz					Diff. Mode(L-L) in MHz				
	.15	.5	1	5	10 30	.15	.5	1	5	10 30
M1	16	21	22	24	25 20	8	18	25	42	43 30
M2	16	20	22	24	25 20	17	28	33	41	40 31

*This table applies to schematic 1M only. Visit our website or contact PDI for other schematic attenuation numbers.



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