

HGN-365A

IEC 60320 INLET SOCKET WITH SINGLE OR DOUBLE FUSE HOLDER, SNAP-IN OR FLANGE MOUNT



FEATURES

The HGN-365A filter series offers a wide variety of options with a current rating up to 10A, 250VAC. This power entry module offers industry standard 5 x 20mm fuse/s with IEC connector. This series offers an option of having a single or double fuse in the same package. These filters are also used for health care equipment and offer extremely low leakage current to comply with UL544 & 2602.

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

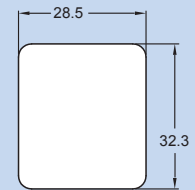
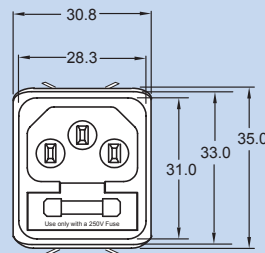
- Rated Voltage: 115/250VAC
- Rated Current: 1A, 2A, 3A, 4A, 6A, 8A, 10A
- Power Line Frequency: 50/60Hz
- Max. Leakage Current each
 - Line to Ground:
 - @ 115VAC 60Hz: 0.5mA
 - @ 250VAC 50Hz: 1.0mA
 - @ 115VAC 60Hz: 2 μ A*
 - @ 250VAC 50Hz: 5 μ A*
- Hipot Rating (one minute)
 - Line to Ground: 2250VDC
 - Line to Line: 1450VDC
- Temperature Range: -25C to +85C

* Medical application

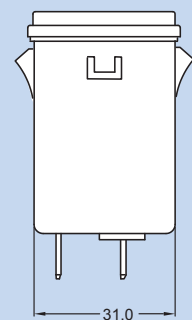
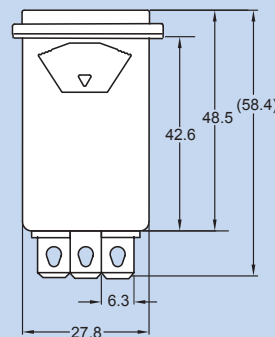
Panel Thickness 1mm to 1.6mm

MECHANICAL DIMENSIONS (Unit: mm)

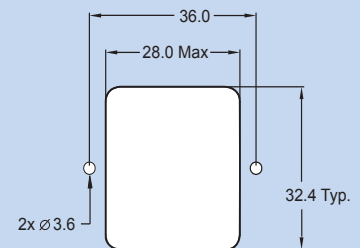
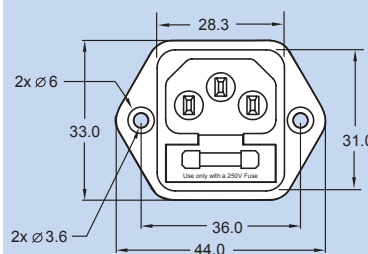
SNAP-IN



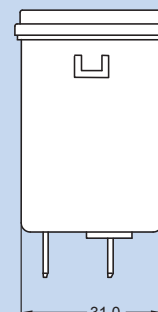
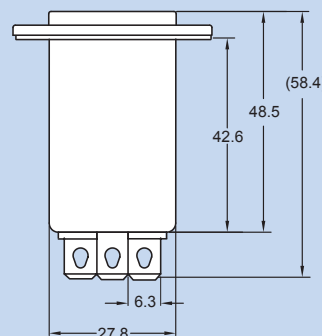
SUGGESTED PANEL CUTOUT
(MOUNTING FROM FRONT)
THICKNESS OF PANEL IS FROM
1.00mm to 1.6mm



FLANGE MOUNT



RECOMMENDED
PANEL CUTOUT
(MOUNTING FROM FRONT)



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.

HGN-365A Series Example & Ordering Code

HGN-365A

01

Q

1

5

1

A

S

CURRENT RATING (A):	= 01
	= 02
	= 03
	= 04
	= 06
	= 08
	= 10

TERMINAL:				
6.3/0.25	Ø3.0-3.6L	8.0	QUICK CONNECT = Q	
4.0/0.187	Ø2.0-3.0L	6.6	SOLDER = S	
UL 1015, 18AWG STRANDED, 4"			WIRE = W	

FUSE OPTION:	1 FUSE (5X20MM) = 1
	2 FUSE (5X20MM) = 2 [†]

OPTIONS:	NO BLEEDER RESISTOR & NO GROUND CHOKE	= 0
	BLEEDER RESISTOR (1/4 W, 1M)	= 5
	BLEEDER RESISTOR (1/2 W, 1M)	= 6
	BLEEDER RESISTOR (1/4 W, 1M) & GROUND CHOKE	= 7
	BLEEDER RESISTOR (1/2 W, 1M) & GROUND CHOKE	= 8
	GROUND CHOKE (100µH)	= 9

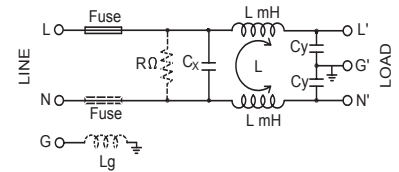
COMPONENT LOCATIONS:	STANDARD TYPE	= 1
	WITH C(X) & C(Y) BEHIND L	= 2 ⁺
	WITHOUT C(X); C(Y) ONLY	= 3 ⁺
	WITHOUT C(Y); C(X) ONLY	= 1M
	WITHOUT C(Y); C(X) BEHIND L	= 2M ⁺

ATTENUATION CODE TABLE:								
Non-Medical applications, select Attenuation code with corresponding component values from the table.								
Cap C(x)	Cap C(y)	1A (mH)	2A (mH)	3A (mH)	4A (mH)	6A (mH)	8A (mH)	10A (mH)
0.1µF	2200pF	6.5	3.8	2.5	1.6	0.8	1.05	0.2
0.015µF	3300pF	1.9	1.5	1.1	0.8	0.6	*	0.3
0.1µF	3300pF	3.7	2.7	1.8	1.3	0.8	1.05	0.3
0.1µF	1000pF	10.5	4.2	2.5	1.7	1.05	*	0.3
0.047µF	3300pF	4.6	3.4	2.5	1.4	0.9	*	0.3
0.033µF	3300pF	9.5	4.3	1.8	1.2	0.85	*	0.3
0.22µF	2200pF	6.5	4.0	2.5	2.0	0.85	1.05	0.3
0.22µF	3300pF	6.5	4.0	2.5	2.0	0.85	1.05	0.3
0.047µF	2200pF	10.5	4.0	1.2	0.9	0.53	*	0.3
0.033µF	2200pF	5	3.7	1.8	1.1	0.6	*	0.2
*	*	10.5	6.5	2.5	2.7	1.05	*	0.3
Medical applications, select Attenuation code with corresponding component values from the table.								
Cap C(x)	1A (mH)	2A (mH)	3A (mH)	4A (mH)	6A (mH)	8A (mH)	10A (mH)	
0.1µF	6.5	3.8	2.5	1.6	0.8	1.05	0.2	= M1
0.015µF	1.9	1.5	1.1	0.8	0.6	*	0.3	= M2
0.1µF	3.7	2.7	1.8	1.3	*	*	0.3	= M3
0.1µF	*	4.2	*	1.7	*	*	*	= M4
0.047µF	4.6	3.4	2.5	1.4	0.9	*	0.3	= M5
0.033µF	9.5	4.3	1.8	1.2	0.85	*	0.3	= M6
0.22µF	6.5	4.0	2.5	2.0	0.8	1.05	0.3	= M7
0.047µF	10.5	4.0	1.2	0.9	0.53	*	*	= M8
0.033µF	5.0	3.7	*	1.1	0.6	*	0.2	= M9

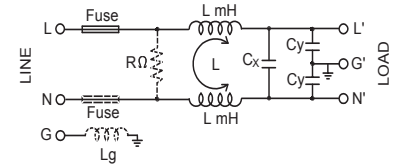
TYPE OF MOUNTING:	FLANGE MOUNT	= BLANK
	SNAP-IN TABS - TOP BOTTOM	= T
	SNAP-IN TABS - SIDE	= S

SCHEMATICS

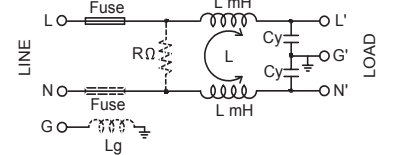
1



2

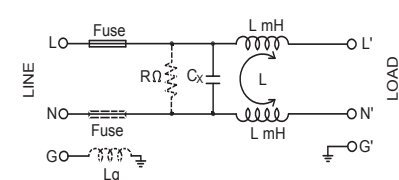


3

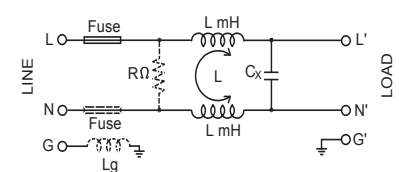


MEDICAL SCHEMATICS

1M



2M



*Contact PDI for attenuation numbers
*Flange mount only
*Contact PDI for availability

HGN-365A Series Example & Ordering Code

Non-Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Current Rating	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	1A	34	38	40	32	26 11	8	25	37	71	62 12
	2A	29	32	55	48	49 51	8	23	34	68	64 14
	3A	28	36	39	45	48 39	8	19	27	58	65 15
	4A	22	27	30	48	54 47	8	19	28	66	72 34
	6A	18	24	28	44	50 47	8	18	26	43	51 31
	8A	20	26	30	44	47 40	8	18	24	65	59 22
	10A	8	14	18	33	41 39	8	18	25	29	38 31
B	1A	25	31	33	30	25 14	1	4	12	50	64 16
	2A	24	28	20	53	54 55	1	4	13	53	57 16
	3A	19	22	24	27	27 22	1	3	8	48	59 31
	4A	23	27	32	54	49 42	1	4	8	40	52 25
	6A	15	24	30	44	52 40	1	4	8	36	52 28
	10A	11	18	23	39	49 37	1	4	8	26	46 24
C	1A	29	33	47	53	57 41	8	23	35	73	58 14
	2A	28	37	44	52	56 41	8	19	27	74	59 17
	3A	25	33	46	53	57 44	8	19	29	63	62 13
	4A	19	24	27	43	53 38	8	18	25	57	60 32
	6A	19	29	36	49	55 46	8	18	23	50	54 24
	8A	20	24	26	27	25 15	8	18	24	58	57 21
D	1A	11	19	24	41	53 36	8	18	24	51	46 25
	2A	36	41	41	49	49 46	8	23	33	62	62 32
	3A	36	41	41	49	49 46	8	23	33	62	62 32
	4A	28	35	37	41	42 42	8	19	28	56	57 17
	6A	19	23	24	40	45 42	8	18	26	50	55 33
	10A	21	28	31	41	44 41	8	18	25	45	48 29
E	1A	12	16	19	45	37 41	8	18	24	52	53 30
	2A	32	39	55	55	56 52	3	14	25	75	63 24
	3A	29	34	46	56	58 49	3	15	27	67	59 21
	4A	28	38	44	51	58 39	3	12	20	66	57 18
	6A	20	26	30	51	59 47	3	11	18	49	54 29
	10A	18	25	31	49	56 47	3	11	17	55	59 32
F	1A	11	19	24	40	50 40	3	12	17	48	46 29
	2A	40	32	44	52	55 38	2	18	30	66	56 22
	3A	32	39	56	56	58 58	1	10	21	76	62 23
	4A	23	29	35	53	52 40	1	9	17	66	65 33
	6A	20	25	29	50	60 45	1	8	15	53	60 32
	10A	19	29	35	51	54 49	2	8	13	47	57 28
G	1A	11	19	25	40	51 39	2	9	14	46	51 29
	2A	37	43	52	47	46 45	17	35	47	65	58 34
	3A	36	25	30	54	51 45	16	31	41	51	61 15
	4A	28	36	39	46	49 52	15	26	36	58	63 17
	6A	24	29	33	45	45 50	15	27	36	59	62 23
	8A	18	24	28	42	48 39	15	26	33	48	58 26
H	1A	20	26	30	45	48 38	15	26	34	45	55 20
	2A	10	20	25	38	44 38	15	26	33	33	44 28
	3A	37	19	53	51	51 41	17	35	47	68	57 34
	4A	38	23	33	57	55 48	15	31	42	59	64 15
	6A	28	37	45	48	50 55	15	26	35	64	62 16
	10A	25	30	39	47	49 41	15	26	36	61	53 20
I	1A	18	25	31	45	51 40	15	26	33	51	57 27
	2A	20	28	34	51	53 41	15	26	33	50	58 21
	3A	10	19	23	35	42 35	15	26	33	36	46 29
	4A	38	42	42	25	25 20	4	22	34	59	65 21
	6A	32	39	56	56	58 58	1	10	21	76	62 23
	10A	20	25	28	44	49 42	3	12	19	61	57 27
J	1A	18	23	28	44	49 42	3	11	17	50	62 30
	2A	14	19	22	39	48 41	3	11	17	48	50 33
	3A	11	17	22	36	42 38	3	11	17	39	55 27
	4A	32	34	52	44	44 41	1	14	25	60	66 21
	6A	29	32	56	49	50 45	1	12	24	67	62 14
	10A	23	27	30	49	52 46	1	9	17	59	69 30
K	1A	19	23	27	44	51 42	1	8	15	67	58 33
	2A	16	20	24	42	51 42	1	8	14	58	52 33
	3A	11	17	22	36	41 40	2	8	14	37	54 27
	4A	36	42	43	37	31 36	1	2	5	17	23 33
	6A	30	37	39	29	22 27	1	1	3	14	21 13
	10A	28	35	37	28	22 31	1	1	2	11	18 12

Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Current Rating	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	1A	34	38	39	32	16 21	9	26	37	62	51 11
	2A	29	32	34	30	19 16	8	23	34	60	48 13
	3A	28	35	37	28	22 19	8	19	28	52	44 12
	4A	22	26	27	30	30 28	8	20	29	57	52 33
	6A	18	22	24	27	25 18	8	18	26	52	45 27
	8A	20	24	26	27	25 14	8	18	26	43	40 17
M2	1A	8	13	15	17	16 14	8	18	25	32	28 24
	2A	25	31	33	30	24 21	1	5	14	41	46 17
	3A	23	27	28	29	24 23	1	5	14	45	58 15
	4A	19	22	24	27	27 20	1	4	10	39	50 34
	6A	19	26	29	28	25 15	1	4	9	32	42 25
	10A	15	21	24	23	21 17	1	4	9	30	49 28
M3	1A	11	16	18	17	16 12	1	4	8	26	45 24
	2A	29	33	34	30	20 16	8	24	35	58	45 15
	3A	28	35	37	28	22 24	8	20	29	61	48 15
	4A	25	33	58	51	56 41	8	20	30	57	47 13
	6A	19	23	24	27	27 21	8	19	27	47	45 30
	10A	11	16	18	18	16 12	8	18	24	47	36 24
M4	2A	31	37	39	35	29 22	8	22	32	66	55 22
	4A	19	23	24	27	27 22	8	19	27	50	47 30
M5	1A	32	37	40	35	29 23	3	15	25	74	58 21
	2A	29	33	34	30	16 21	3	16	27	57	50 20
	3A	28	35	37	28	22 23	3	13	22	59	48 16
	4A	20	24	25	28	28 21	3	12	20	43	44 27
	6A	18	23	25	27	26 20	3	12	19	48	49 30
	10A	11	16	18	18	17 14	3	11	17	42	38 27
M6	1A	37	41	41	25	41 17	2	19	31	62	46 21
	2A	32	37	40	36	30 22	1	11	22	63	59 24
	3A	23	27	28	31	30 30	1	10	19	61	52 32
	4A	19	23	24	27	27 20	1	9	17	44	47 31
	6A	19	26	29	29	25 17	1	8	15	39	45 25
	10A	11	16	18	18	17 14	2	8	14	42	34 25
M7	1A	37	44	41	23	31 18	17	35	47	54	42 32
	2A	32	42	42	32	20 17	16	31	42	53	47 14
	3A	28	34	36	29	23 22	15	27	37	52	49 13
	4A	24	28	29	26	19 10	15	27	38	52	45 19
	6A	15	22	24	25	23 19	15	26	35	43	41 23
	8A	20	24	26	27	25 13	15	26	36	38	37 18
M8	1A	10	18	20	20	18 13	15	26	34	34	31 23
	2A	38	42	42	25	44 17	4	22	33	52	42 20
	3A	31	37	40	36	29 25	3	15	25	80	60 25
	4A	20	24	25	26	24 23	20	24	25	26	24 23
	6A	18	22	24	27	25 18	3	11	18	48	48 28
	10A	14	17	19	22	22 19	3	11	18	43	35 29
M9	1A	32	36	37	28	19 11	1	14	26	53	42 16
	2A	29	33	34	31	20 17	1	13	24	61	50 14
	4A	19	22	24	27	27 18	1	8	16	55	42 32
	6A	16	19	21	24	24 21	2	8	15	56	38 33
	10A	11	16	18	18	17 14	2	8	14	41	34 25

*This table applies to schematic 1M only.

Visit our website or contact PDI for other schematic attenuation numbers.

*This table applies to schematic 1 only.

Visit our website or contact PDI for other schematic attenuation numbers.