

Smallest Power Entry Module with Metric Fuse Holders

GG & HG Series



UL Recognized
CSA Certified
VDE Approved



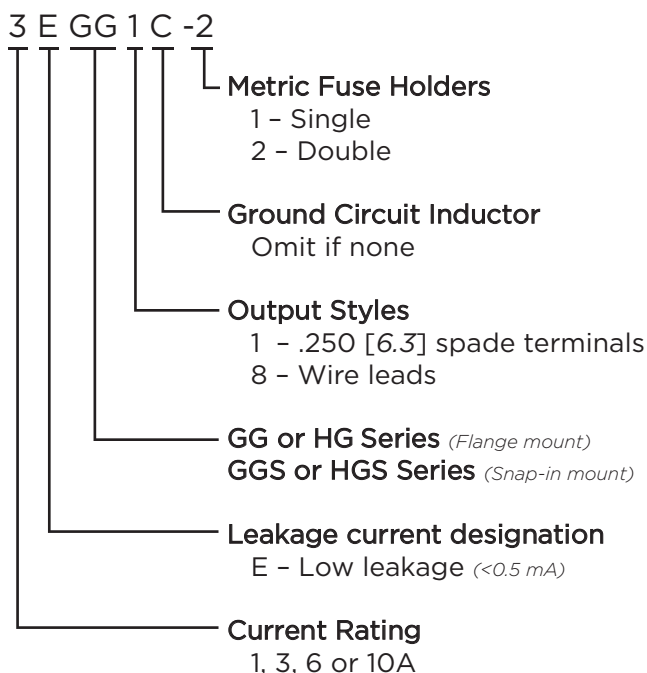
GG Series

- Power entry module with enhanced EMI filter
- Single or dual fusing
- Two element circuit provides basic attenuation
- Available with an internal ground-circuit inductor (C versions) to isolate equipment chassis from power line ground at radio frequencies
- Multiple termination and mounting styles

HG Series

- Medical version of our GG Series
- Mechanically identical to GG Series
- Available only with dual fusing

Ordering Information



Specifications

Maximum leakage current each Line to Ground:

	HG Models	GG Models
@ 120 VAC 60 Hz:	2 μA	.25 mA
@ 250 VAC 50 Hz:	5 μA	.42 mA

Hipot rating (one minute):

Line to Ground:	2250 VDC
Line to Line:	1450 VDC

Rated Voltage (max.): 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 1 to 10A

Required Fuse(s): 5 x 20mm
(not included)

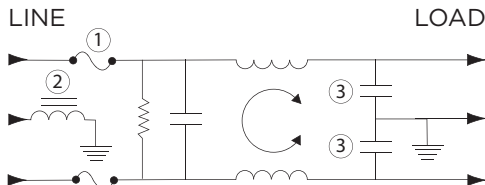
Available Part Numbers

Filtered modules			
1EGG1-1	3EGG1-1	6EGG1-1	10EGG1-1
1EGG1-2	3EGG1-2	6EGG1-2	10EGG1-2
1EGG8-1	3EGG8-1	6EGG8-1	10EGG8-1
1EGG8-2	3EGG8-2	6EGG8-2	10EGG8-2
1EGS1-1	3EGS1-1	6EGS1-1	10EGS1-1
1EGS1-2	3EGS1-2	6EGS1-2	10EGS1-2
Filtered modules with ground circuit inductor			
1EGG1C-1	3EGG1C-1	6EGG1C-1	
1EGG1C-2	3EGG1C-2	6EGG1C-2	
1EGG8C-1	3EGG8C-1	6EGG8C-1	
1EGG8C-2	3EGG8C-2	6EGG8C-2	
Medical filter modules			
1EHG1-2	3EHG1-2	6EHG1-2	10EHG1-2
1EHG8-2	3EHG8-2	6EHG8-2	10EHG8-2
1EHGS1-2	3EHGS1-2	6EHGS1-2	10EHGS1-2

Smallest Power Entry Module with Metric Fuse Holders *(continued)*

GG & HG Series

Electrical Schematic



Note 1: Second fuse only in -2 version

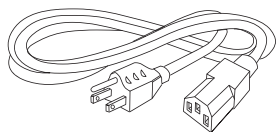
Note 2: C versions only

Note 3: Not present in HG versions

Warning: Do not attempt to operate a single-fused model without the fuse door in place.

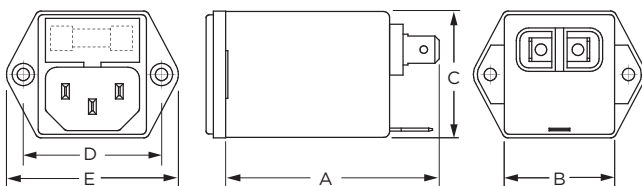
Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



Case Styles

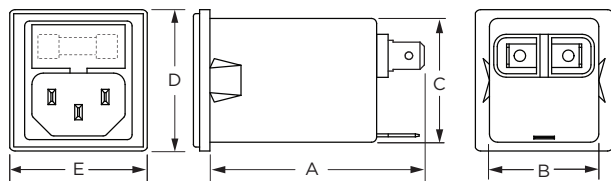
GG1, GG1C & HG1



Typical Dimensions:

Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1): IEC 60320-1 C14
Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole
Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

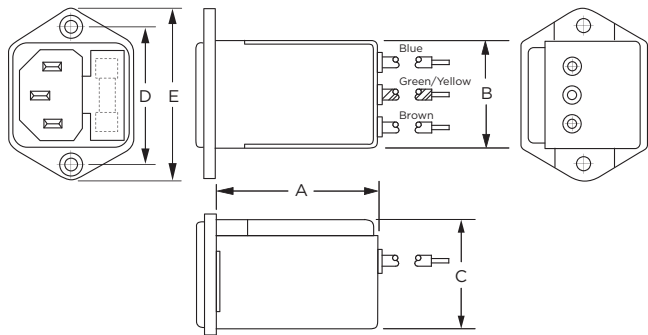
GS1 & HGS1



Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14
Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole
Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

GG8 & HG8



Typical Dimensions:

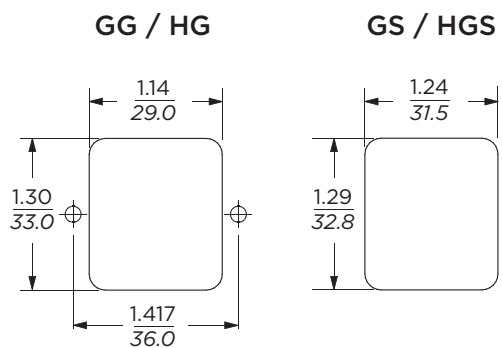
Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1): IEC 60320-1 C14
Wire Leads: 5.0 [127.0] Min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D $\pm .015$ $\pm .38$	E (max.)
GG1 & HG1	2.13 54.5	1.13 28.7	1.29 32.8	1.417 36.0	1.76 44.7
GG1C	2.45 62.23	1.13 28.7	1.28 32.5	1.417 36.0	1.76 44.7
GS1, HGS1	2.13 54.0	1.13 28.7	1.28 32.5	1.46* 36.0*	1.42 36.1
GG8, HG8	2.02 51.1	1.13 28.7	1.29 32.8	1.417 36.0	1.76 44.7

*max. dimension

Recommended Panel Cutouts



Front or Back Mount

Front Mount Only

Typical Dimensions:

GS / HGS panel thickness: 0.032 – 0.080 [0.81 – 2.03]
Corner radius: 0.138 [0.35]

Smallest Power Entry Module with Metric Fuse Holders *(continued)*

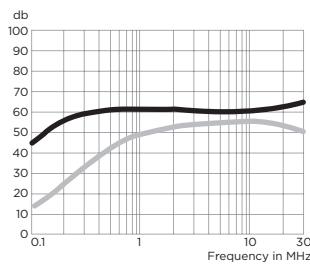
GG & HG Series

Performance Data

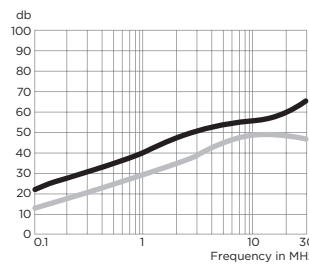
Typical Insertion Loss Measured in closed 50 Ohm system

GG & GS Models

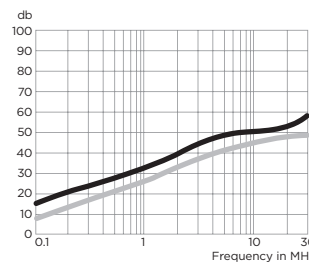
1A



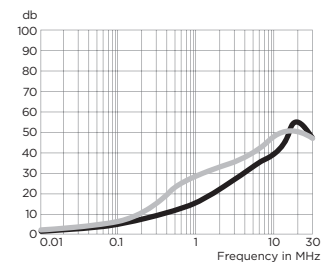
3A



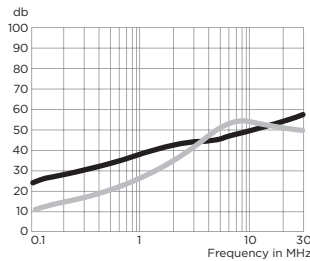
6A



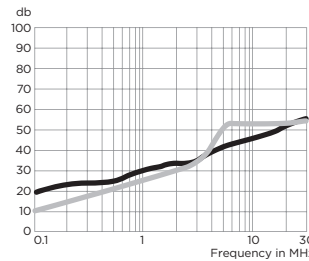
10A



3A GG1C



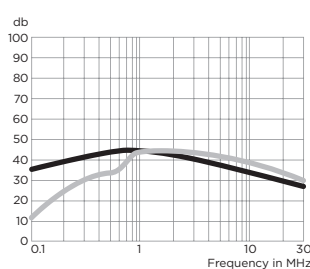
6A GG1C



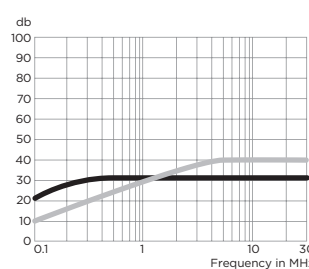
— Common Mode / Asymmetrical (L-G)
— Differential Mode / Symmetrical (L-L)

HG Models

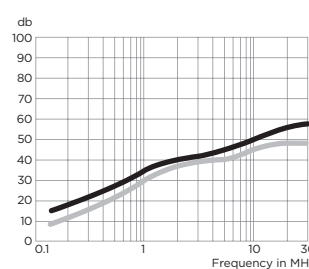
1A



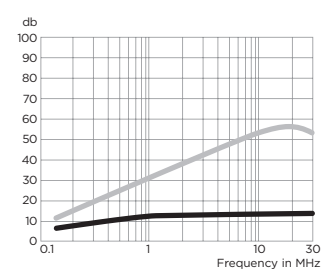
3A



6A



10A



Minimum Insertion Loss Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz								
	.01	.05	.10	.15	.5	1	5	10	30
GG & GS Models									
1A	12	23	29	32	41	47	50	50	55
3A	-	10	15	19	30	36	48	50	53
6A	-	1	4	10	16	22	36	40	50
10A	-	1	2	4	6	8	26	33	28
HG Models									
1A	12	23	29	32	40	40	28	22	18
3A	-	10	15	19	25	26	22	21	21
6A	-	4	10	14	18	18	14	14	14
10A	1	-	-	3	5	6	8	9	10

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz							
	.10	.15	.5	1	3	5	10	30
GG & GS Models								
1A	1	3	14	23	41	47	50	44
3A	1	2	11	14	25	38	44	40
6A	1	2	10	13	23	33	39	42
10A	4	7	17	23	-	22	43	38
HG Models								
1A	2	6	19	26	30	35	35	20
3A	1	7	16	23	30	30	30	30
6A	4	7	16	23	30	30	30	30
10A	-	8	16	22	-	37	43	28