

**Power Entry Module with Switch**

# C Series



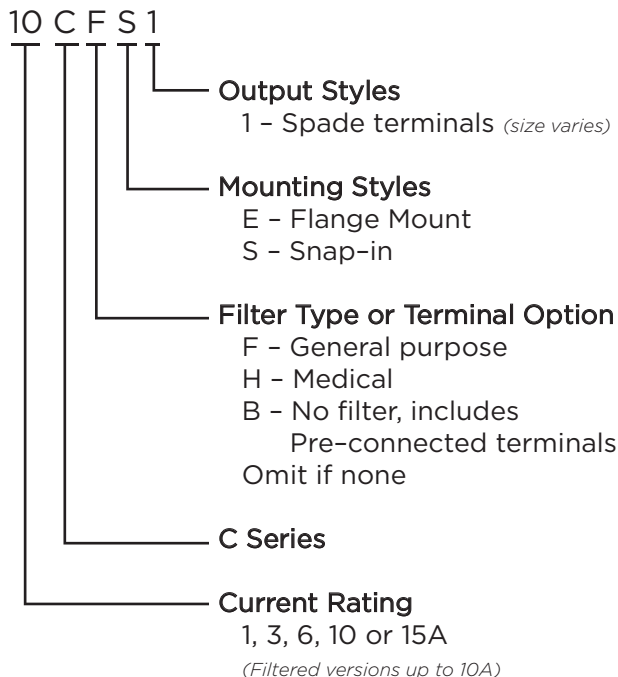
UL Recognized  
CSA Certified  
VDE Approved\*



## C Series

- Two function power entry module combining a DPST switch and an IEC 60320-1 inlet
- Snap-in or flange mounting
- Available with or without a shielded general purpose or medical grade filter
- Two element circuit provides enhanced EMI attenuation
- Reduce OEM wiring time with optional pre-connected line and switch terminals

## Ordering Information



\*15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC

## Specifications

### Maximum leakage current each Line to Ground:

	F Models	H & Unfiltered
@ 120 VAC 60 Hz:	.25 mA	2 $\mu$ A
@250 VAC 50 Hz:	.40 mA	5 $\mu$ A

### Hipot rating (one minute):

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

**Rated Voltage:** 250 VAC

**Operating Frequency:** 50/60 Hz

**Rated Current:** 1 to 15A\*

**Switch:** DPST  
10,000 operations at 51A max. inrush

**.250 Terminal Push-on Force:** 18 lb. / 80N (max.)

**.188 Terminal Push-on Force:** 15 lb. / 67N (max.)

## Available Part Numbers

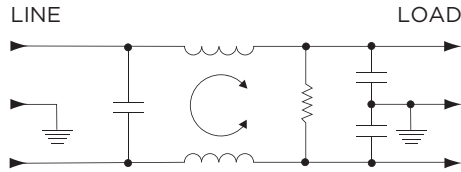
Filtered Versions	
1CHE1	1CFE1
3CHE1	3CFE1
6CHE1	6CFE1
10CHE1	10CFE1
1CHS1	1CFS1
3CHS1	3CFS1
6CHS1	6CFS1
10CHS1	10CFS1
Non-filtered Versions	
Standard Terminals	Pre-connected Terminals
10CS1	10CBS1
10CE1	10CBE1
15CS1	15CBS1
15CE1	15CBE1

**Power Entry Module with Switch** *(continued)*

# C Series

## Electrical Schematics

### F Models



### H Models



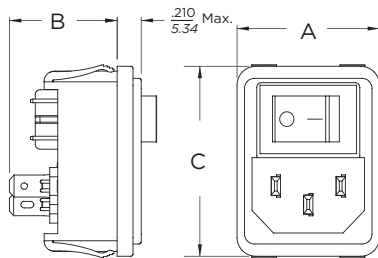
### B Models



Note 1: Jumpers provided on CBS and CBE versions only  
Note 2: Location of optional filter

## Case Styles

### CS, CBS



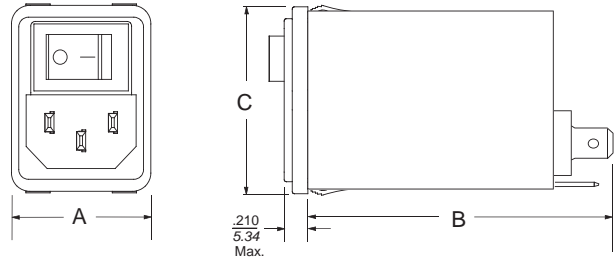
Typical Dimensions:  
Line Inlet (1): IEC 60320-1 C14  
Terminals (6): .187 [4.8] with .055 [1.4] Dia. hole  
Ground Terminal (1): .187 [4.8] with .112 x .06 [2.8 x 1.5] slot

### CE, CBE



Typical Dimensions:  
Mounting holes (2): .13 [3.3] Dia. with .23 [5.9] Dia. x 90° countersink for #4 flathead screw  
Line Inlet (1): IEC 60320-1 C14  
Terminals (6): .187 [4.8] with .055 [1.4] Dia. hole  
Ground Terminal (1): .187 [4.8] with .112 x .06 [2.8 x 1.5] slot

### CFS, CHS



Typical Dimensions:  
Line Inlet (1): IEC 60320-1 C14  
Terminals (3): .25 [6.35] with .07 [1.8] Dia. hole

### CFE, CHE



Typical Dimensions:  
Mounting holes (2): .13 [3.3] Dia. with .23 [5.9] Dia. x 90° countersink for #4 flathead screw  
Line Inlet (1): IEC 60320-1 C14  
Terminals (3): .25 [6.35] with .07 [1.8] Dia. hole

**Power Entry Module with Switch** *(continued)*

# C Series

## Case Styles *(continued)*

### CBS, CBE Pre-Connected Terminals

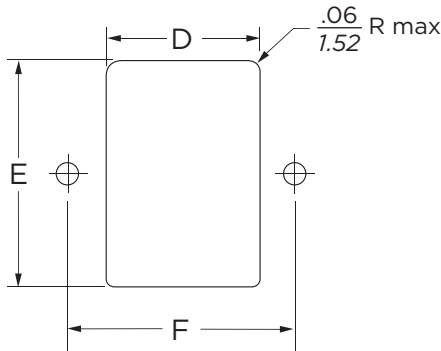


CBS, CBE Side View

CBE Rear View

CBS Rear View

### Recommended Panel Cutout



Panel Thickness: .031 - .098 [0.8 - 2.5]  
 Not recommended for plastic panels.  
 Snap-in models suitable for front mounting only.  
 For Snap-in applications, the D sides of the cutout must have a .02 [.508] radius on the installation side.

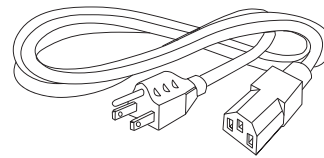
## Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D $\pm .01$ $\pm .254$	E $\pm .01$ $\pm .254$	F $\pm .006$ $\pm .152$
CS, CBS	<b>1.22</b> 31.0	<b>.93</b> 23.6	<b>1.62</b> 41.2	<b>1.06</b> 26.92	<b>1.54*</b> 39.12*	-
CE, CBE	<b>1.74</b> 44.2	<b>.93</b> 23.6	<b>1.62</b> 41.2	<b>1.06</b> 26.92	<b>1.56</b> 39.62	<b>1.417</b> 36.0
CFS, CHS	<b>1.22</b> 31.0	<b>2.53</b> 64.3	<b>1.62</b> 41.2	<b>1.12</b> 28.5	<b>1.54*</b> 39.12*	-
CFE, CHE	<b>1.74</b> 44.2	<b>2.53</b> 64.3	<b>1.62</b> 41.2	<b>1.12</b> 28.5	<b>1.56</b> 39.62	<b>1.417</b> 36.0

\*+ .000 [.000] / - .008 [.20]

## Accessories

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



**Power Entry Module with Switch** *(continued)*

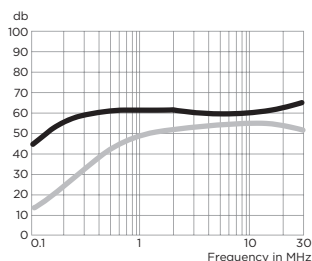
# C Series

## Performance Data

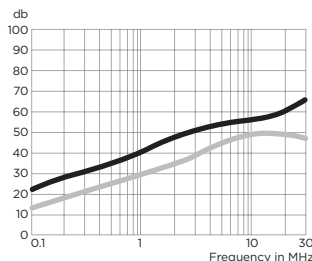
### Typical Insertion Loss

Measured in closed 50 Ohm system

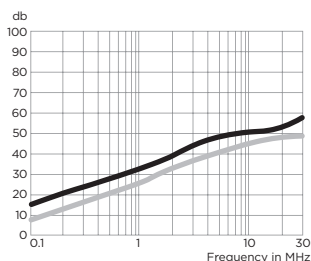
**1CF**



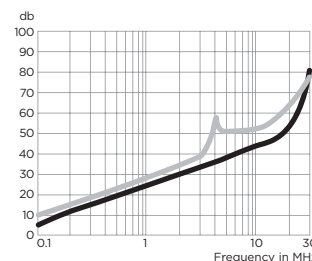
**3CF**



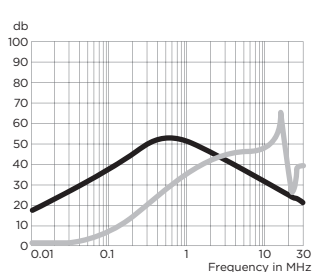
**6CF**



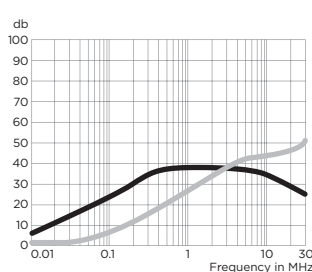
**10CF**



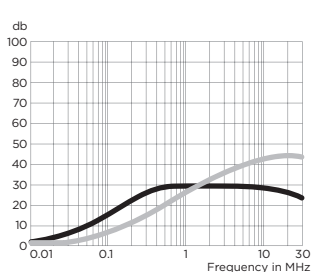
**1CH**



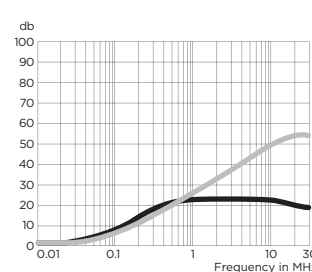
**3CH**



**6CH**



**10CH**



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

### Minimum Insertion Loss

Measured in closed 50 Ohm system

**Common Mode / Asymmetrical (Line to Ground)**

Current Rating	Frequency – MHz						
	.05	.15	.5	1	5	10	30
<b>F Models</b>							
1A	10	26	46	48	46	47	46
3A	8	16	32	36	43	48	50
6A	4	11	22	27	36	41	50
10A	1	4	14	18	27	33	42
<b>H Models</b>							
1A	16	21	37	44	26	21	10
3A	9	14	31	32	26	24	14
6A	4	10	22	23	19	18	13
10A	2	6	10	15	11	11	9

**Differential Mode / Symmetrical (Line to Line)**

Current Rating	Frequency – MHz						
	.05	.15	.5	1	5	10	30
<b>F Models</b>							
1A	1	3	13	28	62	67	42
3A	2	6	14	23	65	65	67
6A	2	6	14	27	46	48	58
10A	1	7	14	23	42	44	62
<b>H Models</b>							
1A	1	6	13	29	38	42	26
3A	1	5	10	22	36	34	36
6A	1	5	14	20	31	33	37
10A	1	4	11	19	32	37	38

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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