

Power Entry Module with Switch

C Series



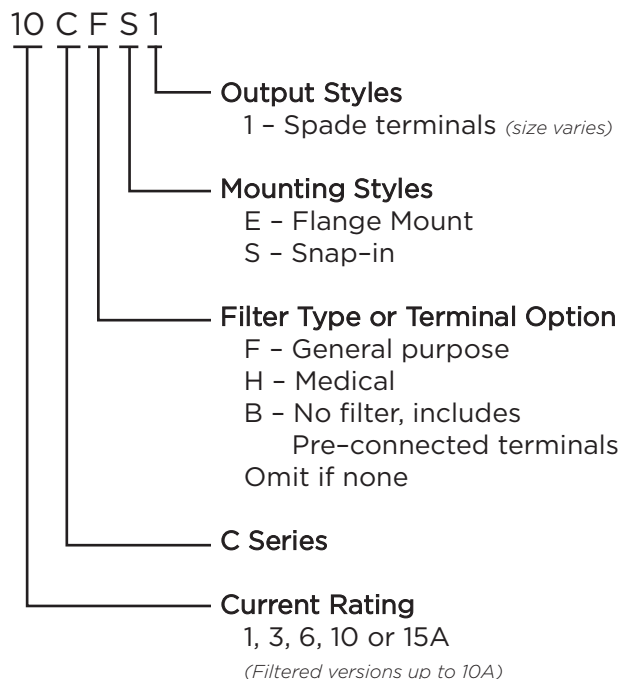
UL Recognized
CSA Certified
VDE Approved*



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:

	<u>F Models</u>	<u>H & Unfiltered</u>
@ 120 VAC 60 Hz:	.25 mA	2 μ A
@ 250 VAC 50 Hz:	.40 mA	5 μ 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

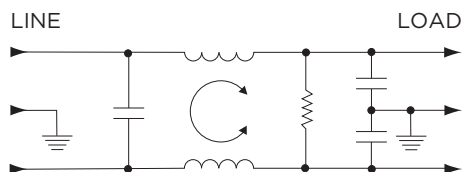
Filtered Versions	
1CHE1	1CFE1
3CHE1	3CFE1
6CHE1	6CFE1
10CHE1	10CFE1
1CHS1	1CFS1
3CHS1	3CFS1
6CHS1	6CFS1
10CHS1	10CFS1
Non-filtered Versions	
Standard Terminals	Pre-connected Terminals
10CS1	10CBS1
10CE1	10CBE1
15CS1	15CBS1
15CE1	15CBE1

Power Entry Module with Switch *(continued)*

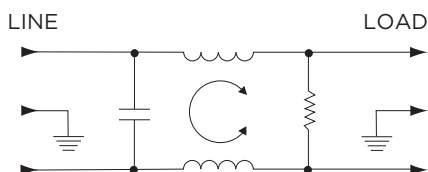
C Series

Electrical Schematics

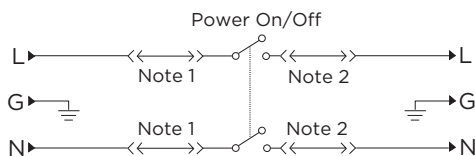
F Models



H Models



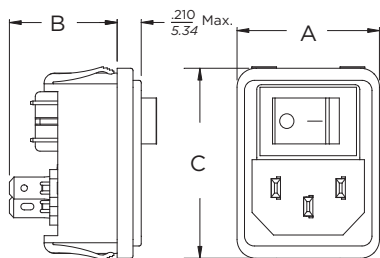
B Models



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

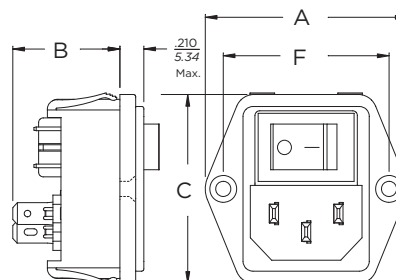
Case Styles

CS, CBS



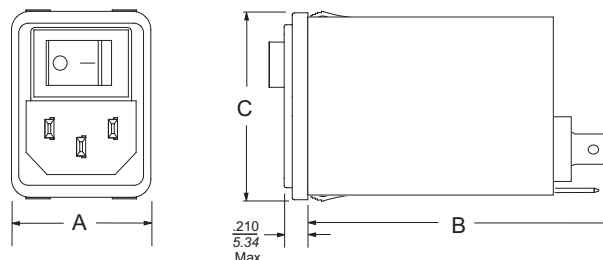
Typical Dimensions:
Line Inlet (1): IEC 60320-1 C14
Terminals (6): .187 [4.8] with .055 [1.4] Dia. hole
Ground Terminal (1): .187 [4.8] with .112 x .06 [2.8 x 1.5] slot

CE, CBE



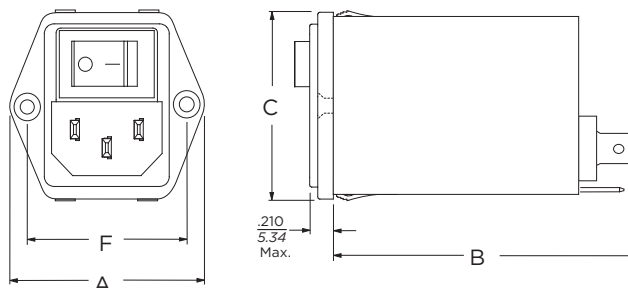
Typical Dimensions:
Mounting holes (2): .13 [3.3] Dia. with .23 [5.9] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1): IEC 60320-1 C14
Terminals (6): .187 [4.8] with .055 [1.4] Dia. hole
Ground Terminal (1): .187 [4.8] with .112 x .06 [2.8 x 1.5] slot

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

3

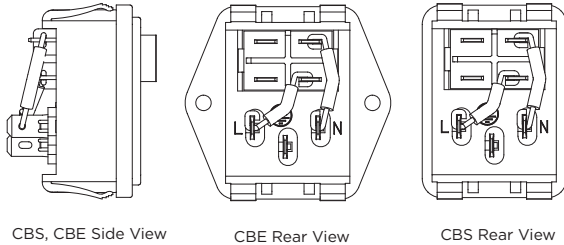
Power Inlet Filters & Power Entry Modules

Power Entry Module with Switch *(continued)*

C Series

Case Styles *(continued)*

CBS, CBE Pre-Connected Terminals

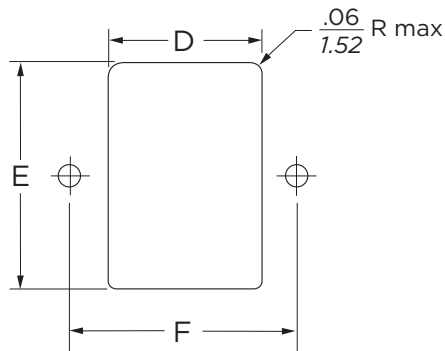


CBS, CBE Side View

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.

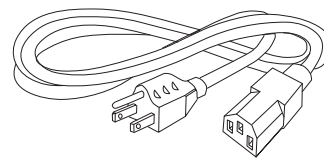
Case Dimensions

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	1.22 31.0	.93 23.6	1.62 41.2	1.06 26.92	1.54* 39.12*	-
CE, CBE	1.74 44.2	.93 23.6	1.62 41.2	1.06 26.92	1.56 39.62	1.417 36.0
CFS, CHS	1.22 31.0	2.53 64.3	1.62 41.2	1.12 28.5	1.54* 39.12*	-
CFE, CHE	1.74 44.2	2.53 64.3	1.62 41.2	1.12 28.5	1.56 39.62	1.417 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)*

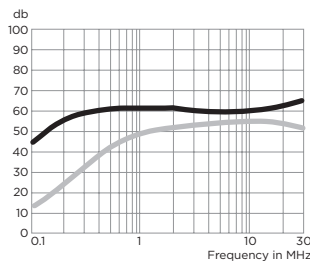
C Series

Performance Data

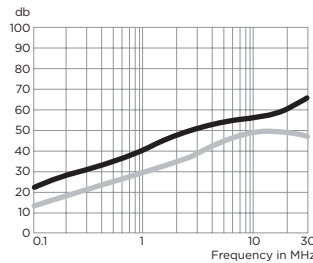
Typical Insertion Loss

Measured in closed 50 Ohm system

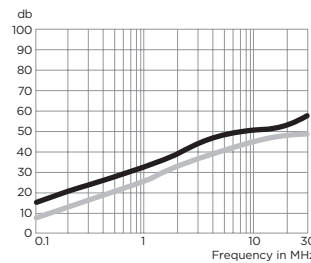
1CF



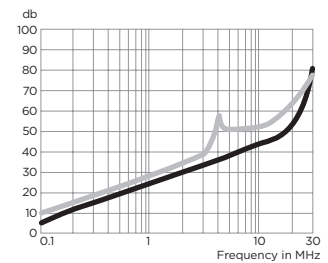
3CF



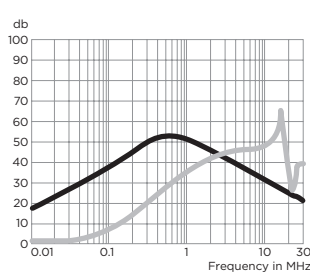
6CF



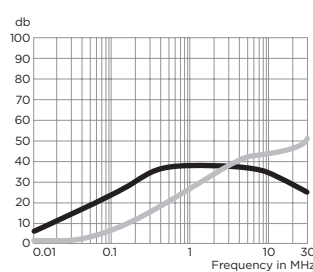
10CF



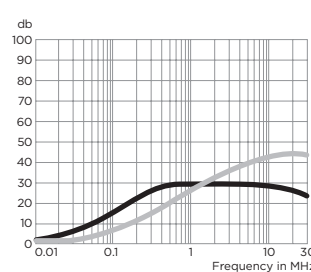
1CH



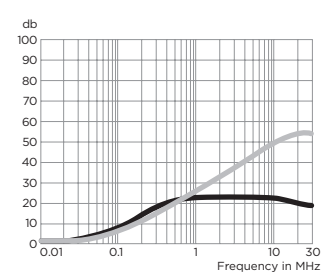
3CH



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
F Models							
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
H Models							
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
F Models							
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
H Models							
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