

Catalog: 1654001 Issue Date: 06.2011

#### **Power Entry Module with Switch**

## **C** Series



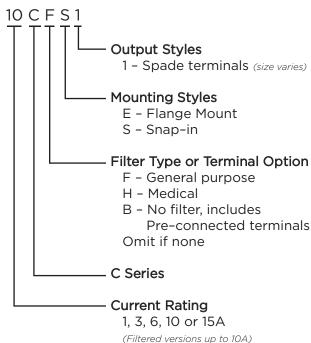
UL Recognized CSA Certified VDE Approved\*



## **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>	H & Unfiltered
@ 120 VAC 60 Hz:	.25 mA	2 µA
@250 VAC 50 Hz:	.40 mA	5 µA

#### Hipot rating (one minute):

Line to Ground: Line to Line:	2250 VDC 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-filtere	ed Versions								
Standard Terminals	Pre-connected Terminals								
10CS1	10CBS1								
10CE1	10CBE1								
15CS1	15CBS1								
15CE1	15CBE1								

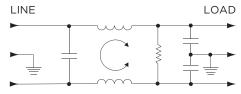


#### **Power Entry Module with Switch** (continued)

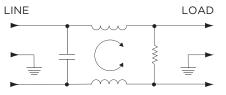
# **C** Series

#### **Electrical Schematics**

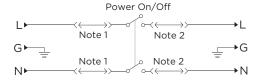
#### **F Models**



## **H** Models



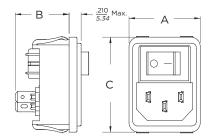
## **B** Models



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

# **Case Styles**

## CS, CBS



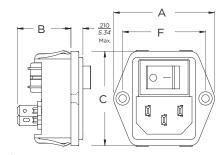
Typical Dimensions:

Line Inlet (1): Terminals (6): Ground Terminal (1): IEC 60320-1 C14

.187 [4.8] with .055 [1.4] Dia. hole

.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 IEC 60320-1 C14

Line Inlet (1): Terminals (6): Ground Terminal (1):

.187 [4.8] with .055 [1.4] Dia. hole

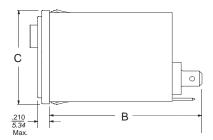
.187 [4.8] with .112 x .06 [2.8 x 1.5] slot

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## CFS, CHS

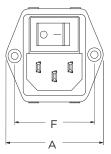


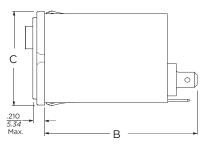


Typical Dimensions:

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

## CFE, CHE





Typical Dimensions:

Mounting holes (2):

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



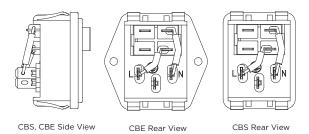
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#### **Power Entry Module with Switch** (continued)

## **C** Series

## Case Styles (continued)

## **CBS, CBE Pre-Connected Terminals**

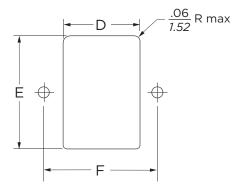


## **Case Dimensions**

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

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

## **Recommended Panel Cutout**



Panel Thickness: .031 - .098 [0.8 - 2.5]

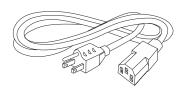
Not recommended for plastic panels.

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.

## **Accessories**

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





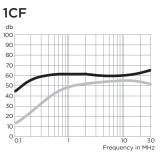
#### Power Entry Module with Switch (continued)

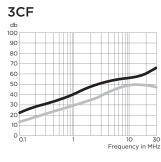
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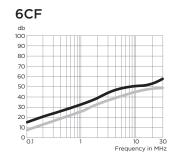
#### **Performance Data**

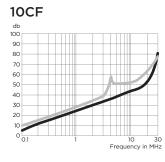
## **Typical Insertion Loss**

Measured in closed 50 Ohm system



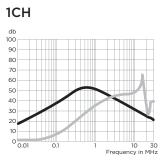


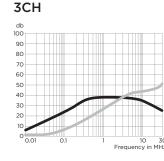


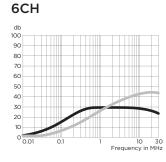


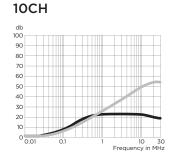
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Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

## **Minimum Insertion Loss**

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Differential Mode /	Symmetrical	(Line t	o Line)
Differential Float /	Symmiculcul		.0 [

Common Mode / Asymmetrical (Line to Ground)						Differential Mode / Symmetrical (Line to Line)									
Current	Frequency – MHz						Current		Frequency – MHz						
Rating	.05	.15	.5	1	5	10	30	Rating	.05	.15	.5	1	5	10	30
F Models								F Models							
1A	10	26	46	48	46	47	46	1A	1	3	13	28	62	67	42
3A	8	16	32	36	43	48	50	3A	2	6	14	23	65	65	67
6A	4	11	22	27	36	41	50	6A	2	6	14	27	46	48	58
10A	1	4	14	18	27	33	42	10A	1	7	14	23	42	44	62
H Models								H Models							
1A	16	21	37	44	26	21	10	1A	1	6	13	29	38	42	26
3A	9	14	31	32	26	24	14	3A	1	5	10	22	36	34	36
6A	4	10	22	23	19	18	13	6A	1	5	14	20	31	33	37
10A	2	6	10	15	11	11	9	10A	1	4	11	19	32	37	38