

#### **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 µA										
@250 VAC 50 Hz:	.40 mA 5 µA										
@250 VAC 50 Hz.	.40 IIIA 5 µA										
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 op	10,000 operations at 51A max. inrush										
.250 Terminal Push-on Force: 18 lb. / 80N (max											
.188 Terminal Push-on Ford	<b>:e:</b> 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):





#### Typical Dimensions: Mounting holes (2):

Line Inlet (1): Terminals (6): Ground Terminal (1): .13 [3.3] Dia. with .23 [5.9] Dia. x 90° countersink for #4 flathead screw 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

### 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 3

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.

131



#### 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

#### **Case Dimensions**

Part No.	A (max.)	B (max.)	C (max.)	<b>D</b> <u>±.01</u> ±.254	<b>E</b> <u>± .01</u> ± .254	<b>F</b> <u>± .006</u> ± .152	
	1.22	.93	1.62	1.06	1.54*	202	
CS, CBS	31.0	23.6	41.2	26.92	39.12*	-	
	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	
	1.22	2.53	1.62	1.12	<b>1.54</b> *	_	
CFS, CHS	31.0	64.3	41.2	28.5	39.12*	-	
	1.74	2.53	1.62	1.12	1.56	1.417	
CFE, CHE	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)

# **C** Series

## **Performance Data**

#### **Typical Insertion Loss**

Measured in closed 50 Ohm system















10CF





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)
---------------	-------------------------------

Common Mode / Asymmetrical (Line to Ground)						Differential Mode / Symmetrical (Line to Line)										
	Current	rent 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
ΗM	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

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.