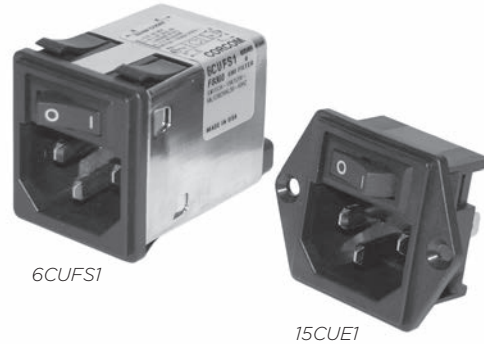


**Compact 1U Height Switched Power Entry Module**

# CU Series



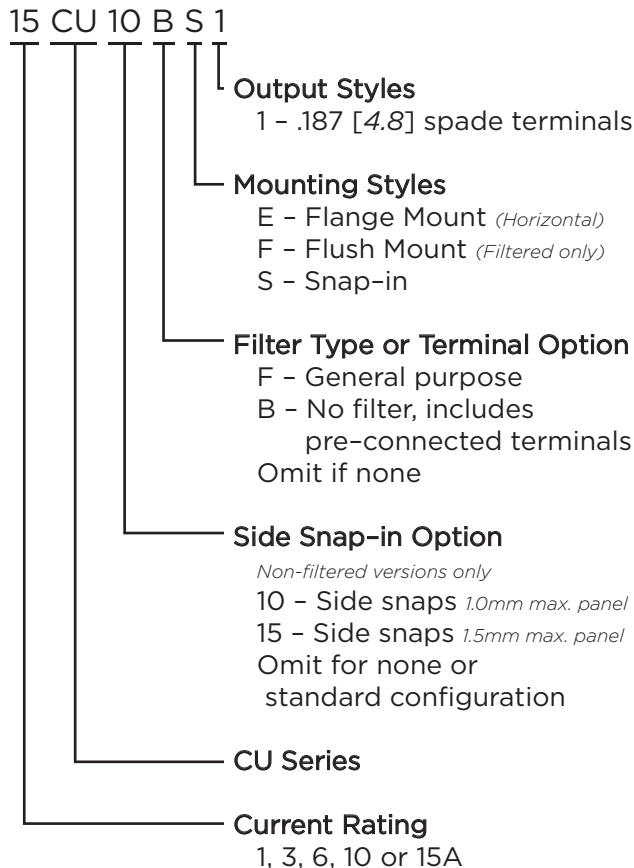
UL Recognized  
CSA Certified  
VDE Approved\*



## CU Series

- Designed for popular 1U (1 3/4") height rack mounted equipment
- Two function power entry module combining a SPST switch and an IEC 60320-1 inlet
- Snap-in, flange and flush mounting
- Reduce OEM wiring time with optional pre-connected line and switch terminals

## Ordering Information



## Specifications

### Maximum leakage current each Line to Ground:

	<u>Filtered</u>	<u>Unfiltered</u>
@ 120 VAC 60 Hz:	.25 mA	2 µA
@250 VAC 50 Hz:	.40 mA	5 µA

### Hipot rating (one minute):

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

### Operating Voltage:

120/250 VAC

### Operating Frequency:

50/60 Hz

### Rated Current:

1 to 15A\*

### Switch:

50A inrush capable SPST

### Terminal Push-on Force:

15 lb. / 67N (max.)

## Available Part Numbers

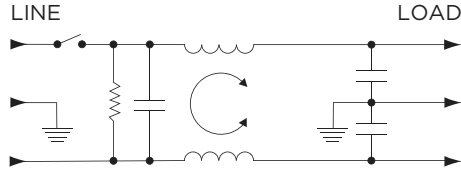
Filtered Versions		
1CUFE1	1CUFF1	1CUFS1
3CUFE1	3CUFF1	3CUFS1
6CUFE1	6CUFF1	6CUFS1
10CUFE1	10CUFF1	10CUFS1
15CUFE1	15CUFF1	15CUFS1
Non-filtered Versions		
Standard Terminals		Pre-connected Terminals
15CUE1		15CUBE1
15CUS1		15CUBS1
15CU10S1		15CU10BS1
15CU15S1		15CU15BS1

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

**Compact 1U Height Switched Power Entry Module** *(continued)*

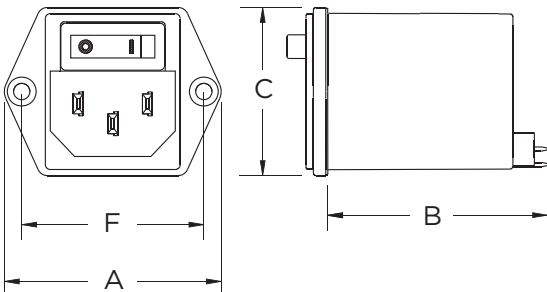
# CU Series

## Electrical Schematic



## Case Styles

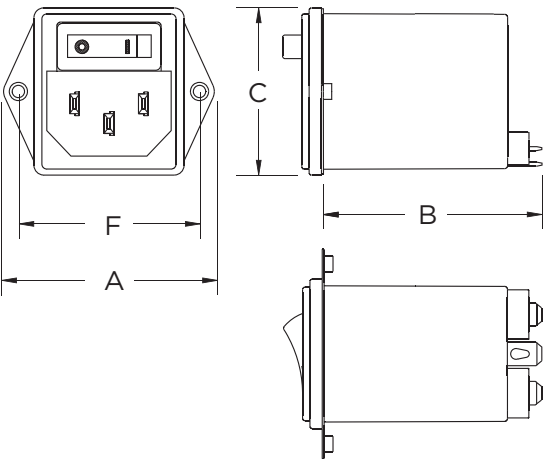
### CUFE1



Typical Dimensions:

Mounting holes (2):	.138 [3.5] Dia. with .228 [5.8] Dia. x 90° countersink for M3 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Terminals (2):	.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
Output Shroud:	.21 x .34 [5.2 x 8.6] inside dimension

### CUFF1

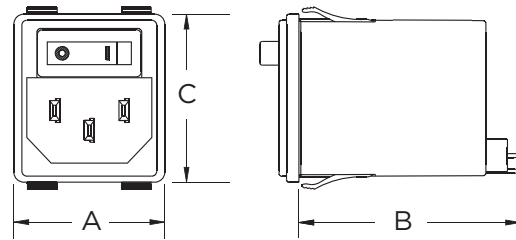


For rear mounted applications only. Maximum panel thickness: .157 [4.0]

Typical Dimensions:

Mounting Holes(2):	M3 x 0.5 Threaded flange
Line Inlet (1):	IEC 60320-1 C14
Terminals (2):	.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
Output Shroud:	.21 x .34 [5.2 x 8.6] inside dimension

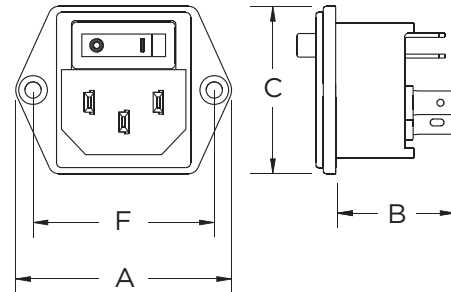
### CUFS1



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Terminals (2):	.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
Output Shroud:	.21 x .34 [5.2 x 8.6] inside dimension

### CUE1

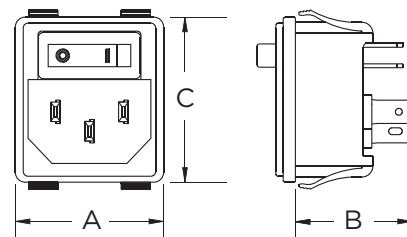


Note: Switch output terminal configuration may vary

Typical Dimensions:

Mounting holes (2):	.138 [3.5] Dia. with .228 [5.8] Dia. x 90° countersink for M3 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Terminals (4):	.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

### CUS1



Note: Switch output terminal configuration may vary

Typical Dimensions:

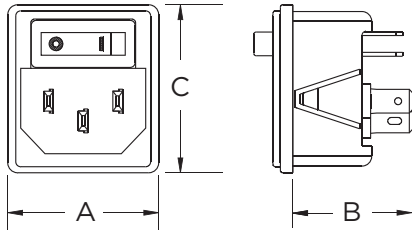
Line Inlet (1):	IEC 60320-1 C14
Terminals (4):	.187 [4.8] with .055 [1.4] Dia. hole
Ground Terminal (1):	.187 [4.8] with .112 x .06 [2.8 x 1.5] slot

**Compact 1U Height Switched Power Entry Module** *(continued)*

# CU Series

## Case Styles *(continued)*

### CU10S1 & CU15S1

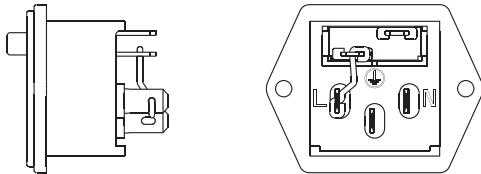


Available for panel thickness .07 - 1.0mm (CU10S1) or 1.2 - 1.5mm CU15S1  
Note: Switch output terminal configuration may vary

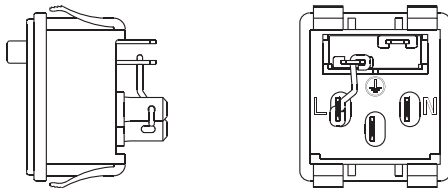
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Terminals (4):	.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

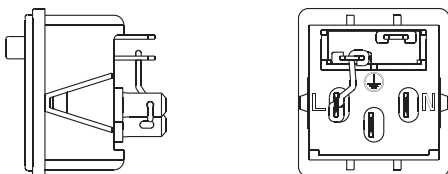
### CUBE1 Pre-Connected Terminals



### CUBS1 Pre-Connected Terminals



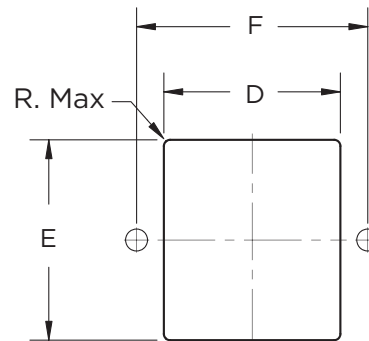
### CU10BS1 & CU15BS1 Pre-Connected Terminals



## Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D $\pm .004$ $\pm .100$	E $\pm .004$ $\pm .100$	F $\pm .004$ $\pm .100$
CUFE1	<b>1.73</b> 43.9	<b>1.75</b> 44.5	<b>1.34</b> 34.1	<b>1.11</b> 28.1	<b>1.26</b> 31.9	<b>1.45</b> 36.8
CUFF1	<b>1.7</b> 43.1	<b>1.8</b> 45.0	<b>1.34</b> 34.1	<b>1.21</b> 30.8	<b>1.35</b> 34.3	<b>1.45</b> 36.8
CUFS1	<b>1.20</b> 30.6	<b>1.8</b> 45.0	<b>1.34</b> 34.1	<b>1.11</b> 28.1	<b>1.26</b> 32.0	-
CUE1, CUBE1	<b>1.73</b> 43.9	<b>.96</b> 24.6	<b>1.34</b> 34.1	<b>1.06</b> 26.9	<b>1.09</b> 27.6	<b>1.45</b> 36.8
CUS1, CUBS1	<b>1.20</b> 30.6	<b>0.97</b> 24.6	<b>1.34</b> 34.1	<b>1.04</b> 26.4	<b>1.26</b> 32.0	-
10CUS1, 10CUBS1	<b>1.20</b> 30.6	<b>0.97</b> 24.6	<b>1.34</b> 34.1	<b>1.05</b> 26.7	<b>1.24</b> 31.6	-
15CUS1, 15CUBS1	<b>1.20</b> 30.6	<b>0.97</b> 24.6	<b>1.34</b> 34.1	<b>1.05</b> 26.7	<b>1.24</b> 31.6	-

## Recommended Panel Cutout

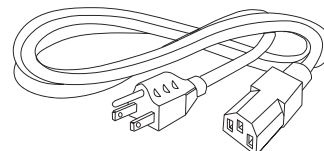


Model	Panel Thickness	R Dim.
CUFF1	.157 [4.0] max.	1.8 [45.72]
CUFS1, CUS1	.025 - .082 [0.63 - 2.1]	1.0 [25.4]
CU10S1	.028 - .039 [0.7 - 1.0]	1.0 [25.4]
CU15S1	.047 - .059 [1.2 - 1.5]	1.0 [25.4]

Note 1: CUFF1 allows for back mounting only  
Note 2: All other models allow for front mounting only

## Accessories

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



**Compact 1U Height Switched Power Entry Module** *(continued)*

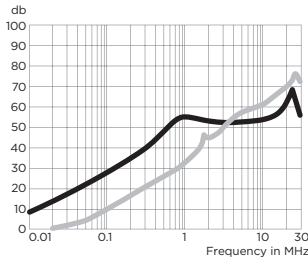
# CU Series

## Performance Data

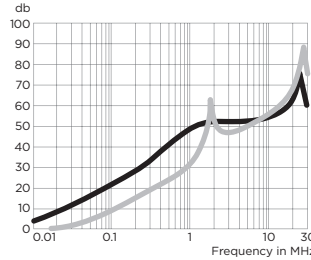
### Typical Insertion Loss

Measured in closed 50 Ohm system

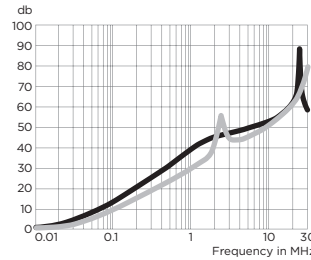
**1CUF**



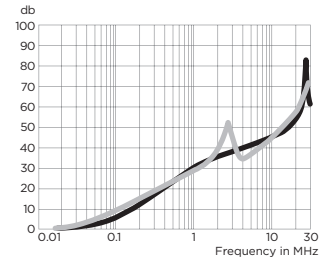
**3CUF**



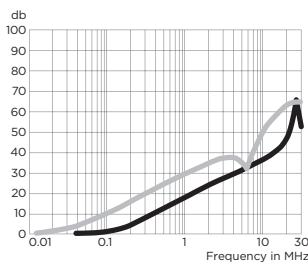
**6CUF**



**10CUF**



**15CUF**



— 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	.05	1	5	10	30
1A	19	30	44	49	47	44	45
3A	13	23	37	43	47	44	49
6A	5	14	28	34	43	43	48
10A	1	7	19	25	35	36	52
15A	-	1	10	13	25	27	42

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz						
	.05	.15	.05	1	5	10	30
1A	1	10	21	26	48	51	60
3A	1	10	20	26	42	45	65
6A	1	10	20	23	38	41	65
10A	1	10	20	23	29	34	56
15A	1	10	20	23	28	39	54