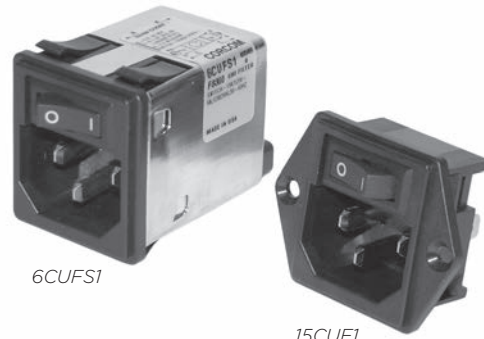


Compact 1U Height Switched Power Entry Module

CU Series



**UL Recognized
CSA Certified
VDE Approved***



CU Series

- Designed for popular 1U (1 ¾") 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

The diagram illustrates the structure of a part number using the example '15 CU 10 B S 1'. Vertical lines connect each digit or code to its corresponding description:

- 15** - **Current Rating**
1, 3, 6, 10 or 15A
- CU** - **CU Series**
- 10** - **Side Snap-in Option**
Non-filtered versions only
10 - Side snaps *1.0mm max. panel*
15 - Side snaps *1.5mm max. panel*
Omit for none or standard configuration
- B** - **Filter Type or Terminal Option**
F - General purpose
B - No filter, includes pre-connected terminals
Omit if none
- S** - **Mounting Styles**
E - Flange Mount (*Horizontal*)
F - Flush Mount (*Filtered only*)
S - Snap-in
- 1** - **Output Styles**
1 - .187 [4.8] spade terminals

Specifications

Maximum leakage current each Line to Ground:

	<u>Filtered</u>	<u>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

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

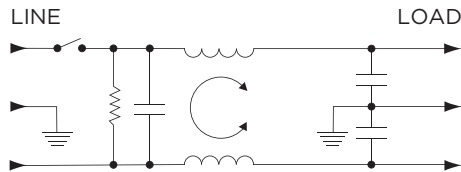
Non-filtered Versions	
Standard Terminals	Pre-connected Terminals
15CUE1	15CUBE1
15CUS1	15CUBS1
15CU10S1	15CU10BS1
15CU15S1	15CU15BS1

**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)*

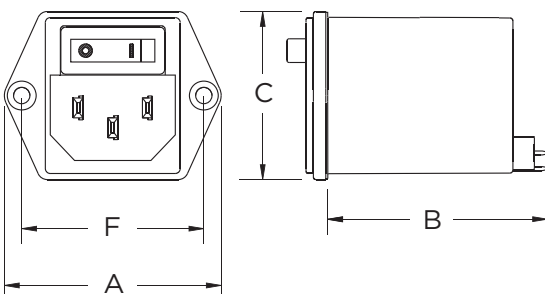
CU Series

Electrical Schematic



Case Styles

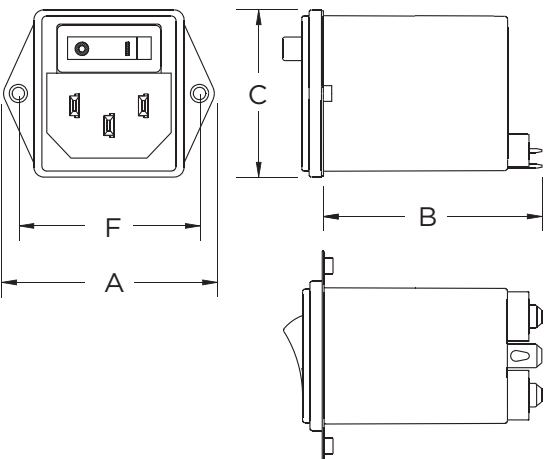
CUFE1



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

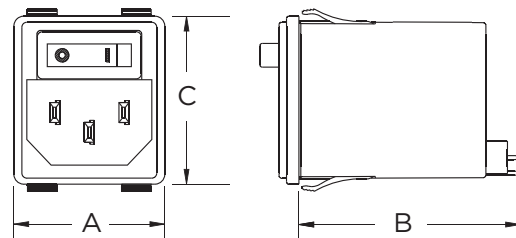


For rear mounted applications only. Maximum panel thickness: .157 [4.0]

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

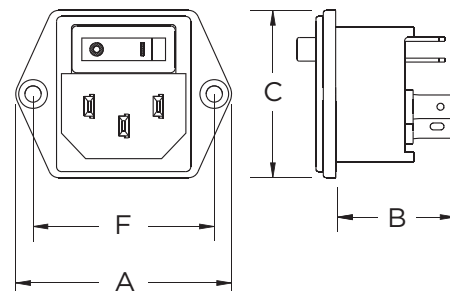
CUFS1



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

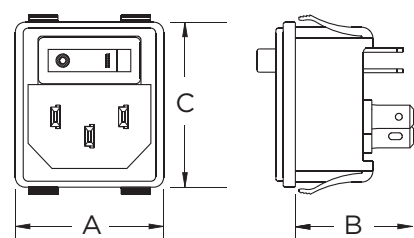


Note: Switch output terminal configuration may vary

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:

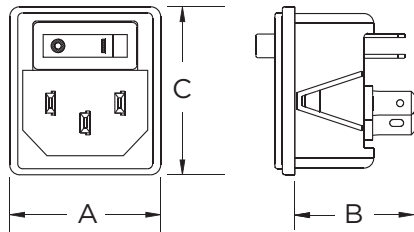
Line Inlet (1):	IEC 60320-1 C14
Terminals (4):	.187 [4.8] with .055 [1.4] Dia. hole
Ground Terminal (1):	.187 [4.8] with .112 x .06 [2.8 x 1.5] slot

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

CU Series

Case Styles *(continued)*

CU10S1 & CU15S1



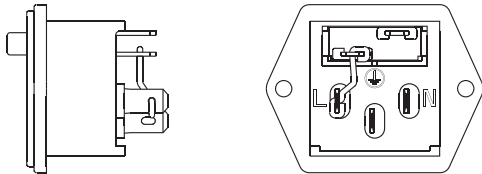
Available for panel thickness .07 - 1.0mm (CU10S1) or 1.2 - 1.5mm CU15S1

Note: Switch output terminal configuration may vary

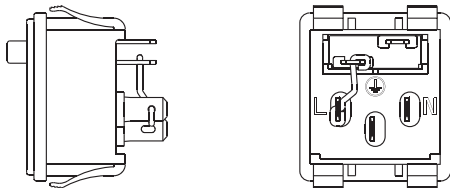
Typical Dimensions:

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

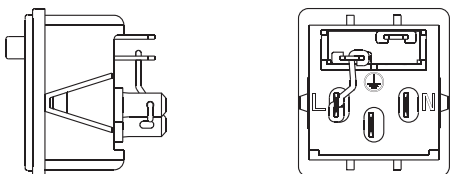
CUBE1 Pre-Connected Terminals



CUBS1 Pre-Connected Terminals



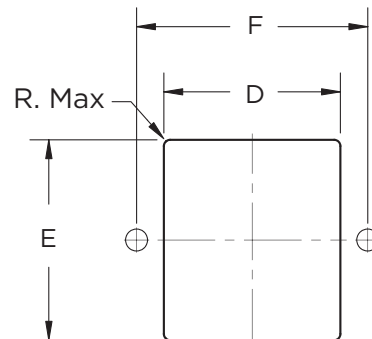
CU10BS1 & CU15BS1 Pre-Connected Terminals



Case Dimensions

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

Recommended Panel Cutout



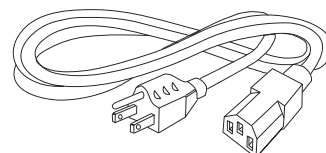
Model	Panel Thickness	R Dim.
CUFF1	.157 [4.0] max.	1.8 [45.72]
CUFF1, CUS1	.025 - .082 [0.63 - 2.1]	1.0 [25.4]
CU10S1	.028 - .039 [0.7 - 1.0]	1.0 [25.4]
CU15S1	.047 - .059 [1.2 - 1.5]	1.0 [25.4]

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)*

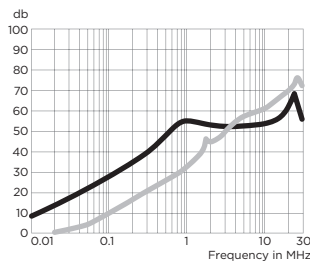
CU Series

Performance Data

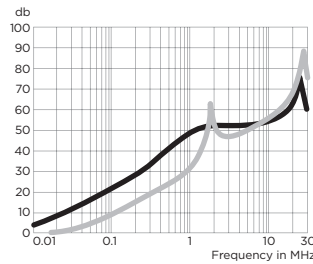
Typical Insertion Loss

Measured in closed 50 Ohm system

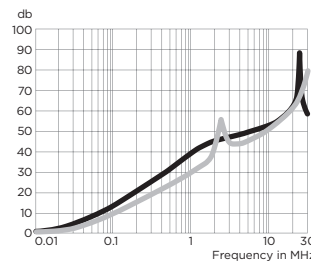
1CUF



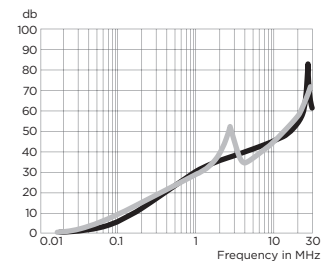
3CUF



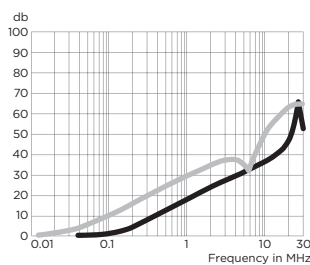
6CUF



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