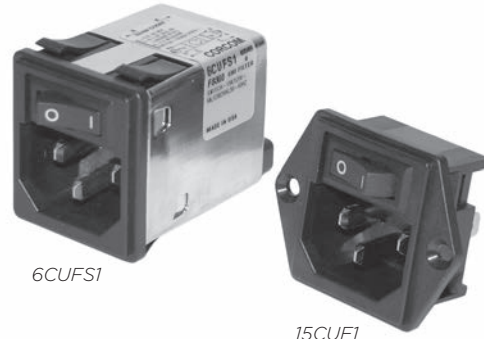


Compact 1U Height Switched Power Entry Module

CU Series



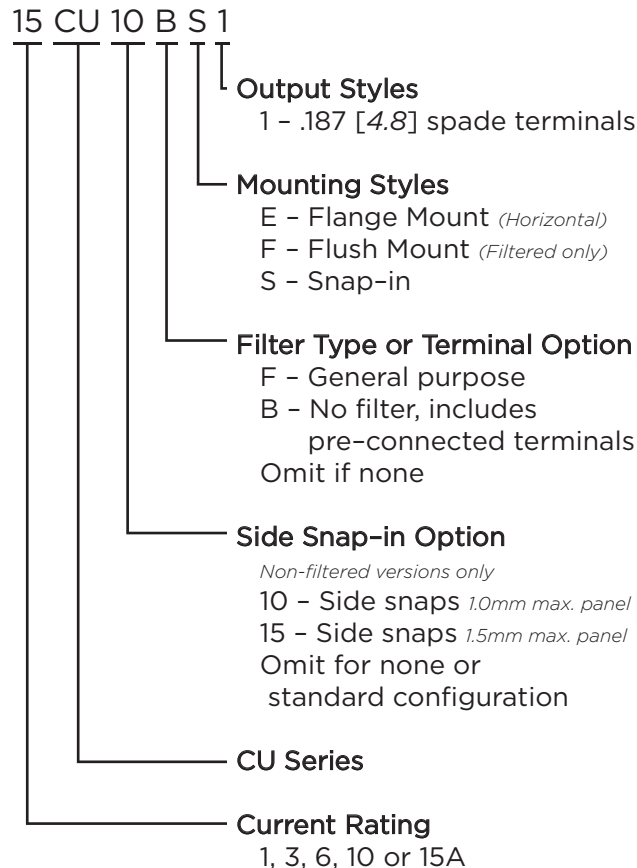
UL Recognized
CSA Certified
VDE Approved*



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

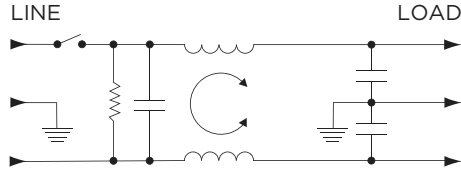
| Filtered Versions | | |
|-----------------------|-------------------------|---------|
| 1CUFE1 | 1CUFF1 | 1CUFS1 |
| 3CUFE1 | 3CUFF1 | 3CUFS1 |
| 6CUFE1 | 6CUFF1 | 6CUFS1 |
| 10CUFE1 | 10CUFF1 | 10CUFS1 |
| 15CUFE1 | 15CUFF1 | 15CUFS1 |
| Non-filtered Versions | | |
| Standard Terminals | Pre-connected 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)*

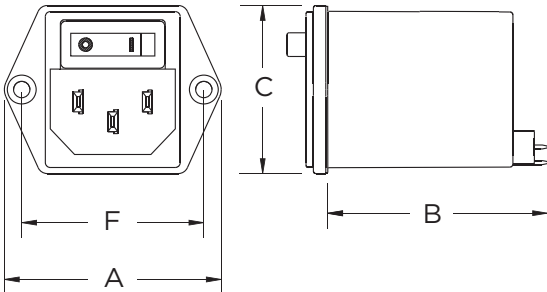
CU Series

Electrical Schematic



Case Styles

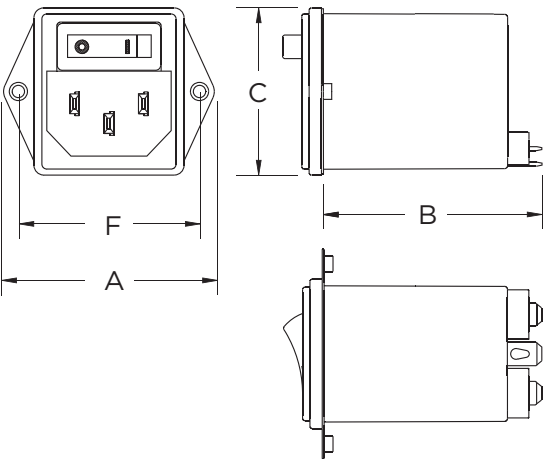
CUFE1



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

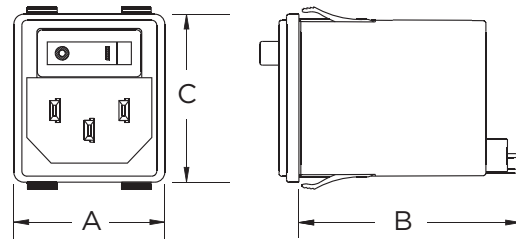


For rear mounted applications only. Maximum panel thickness: .157 [4.0]

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 |

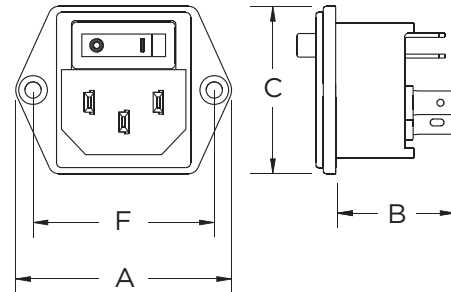
CUFS1



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

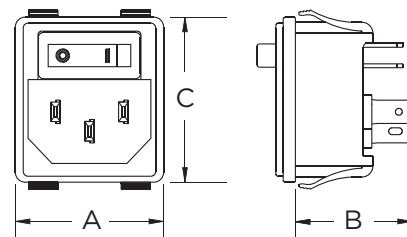


Note: Switch output terminal configuration may vary

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:

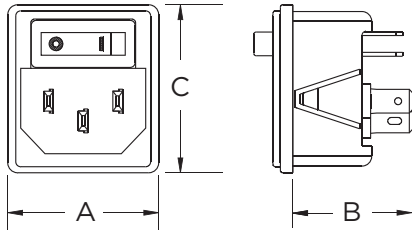
| | |
|----------------------|---|
| Line Inlet (1): | IEC 60320-1 C14 |
| Terminals (4): | .187 [4.8] with .055 [1.4] Dia. hole |
| Ground Terminal (1): | .187 [4.8] with .112 x .06 [2.8 x 1.5] slot |

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

CU Series

Case Styles *(continued)*

CU10S1 & CU15S1

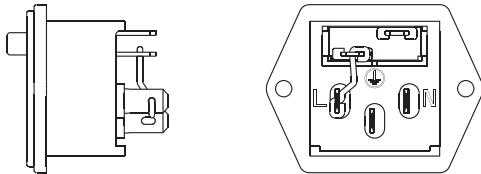


Available for panel thickness .07 - 1.0mm (CU10S1) or 1.2 - 1.5mm CU15S1
Note: Switch output terminal configuration may vary

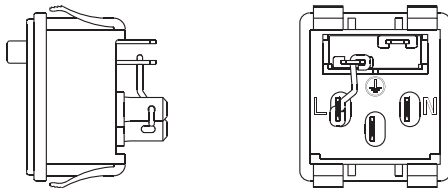
Typical Dimensions:

| | |
|----------------------|---|
| 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 |

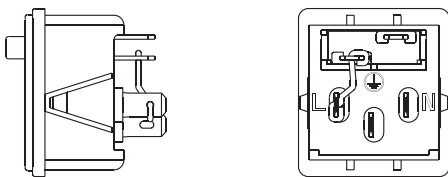
CUBE1 Pre-Connected Terminals



CUBS1 Pre-Connected Terminals



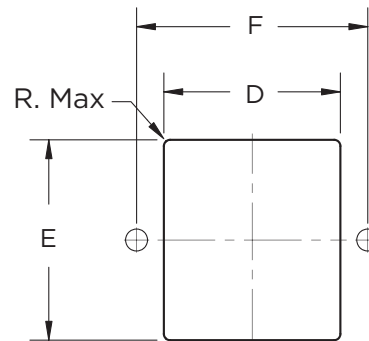
CU10BS1 & CU15BS1 Pre-Connected Terminals



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 | 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 |
| CUFS1 | 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

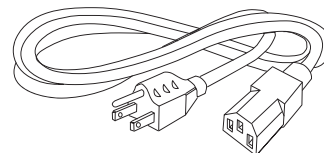


| Model | Panel Thickness | R Dim. |
|-------------|--------------------------|-------------|
| CUFF1 | .157 [4.0] max. | 1.8 [45.72] |
| CUFS1, CUS1 | .025 - .082 [0.63 - 2.1] | 1.0 [25.4] |
| CU10S1 | .028 - .039 [0.7 - 1.0] | 1.0 [25.4] |
| CU15S1 | .047 - .059 [1.2 - 1.5] | 1.0 [25.4] |

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)*

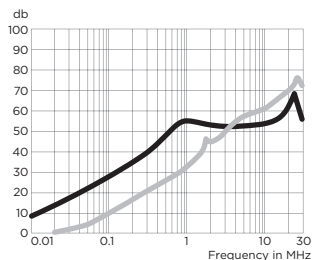
CU Series

Performance Data

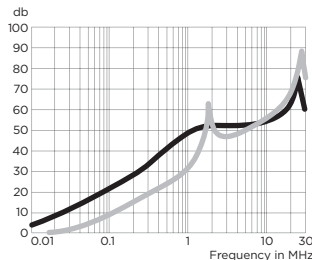
Typical Insertion Loss

Measured in closed 50 Ohm system

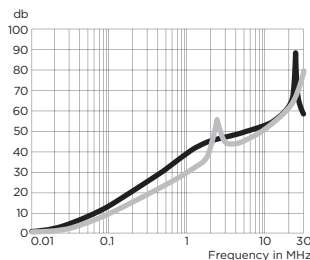
1CUF



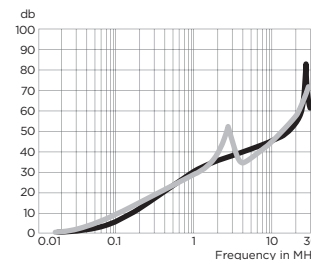
3CUF



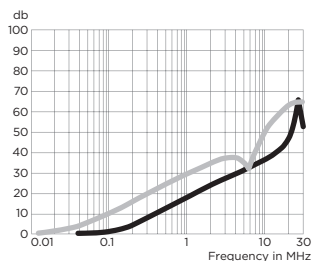
6CUF



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 |