

Catalog: 1654001 Issue Date: 06.2011

Compact 1U Height Switched Power Entry Module

CU Series



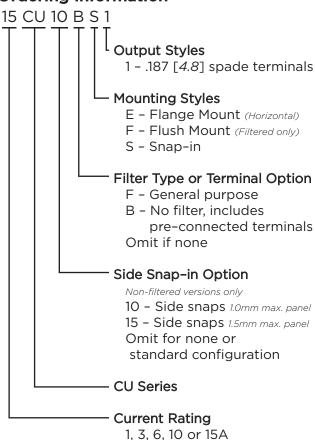
UL Recognized CSA Certified VDE Approved*



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

1CUFE1	1CUFF1		1CUFS1		
3CUFE1	3CL	JFF1	3CUFS1		
6CUFE1	6CL	JFF1	6CUFS1		
10CUFE1	10Cl	JFF1	10CUFS1		
15CUFE1	15CUFF1		15CUFS1		
Non-filtered Versions					
Standard Terminals		Pre-cor	onnected Terminals		
15CUE1			15CUBE1		
15CUS1		15CUBS1			
15CU10S1		15CU10BS1			
15CU15S1		15	5CU15BS1		

Filtered Versions

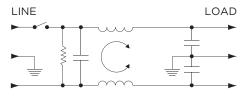
*15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC



Compact 1U Height Switched Power Entry Module (continued)

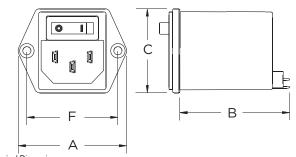
CU Series

Electrical Schematic



Case Styles

CUFE1



Typical Dimensions:

Mounting holes (2):

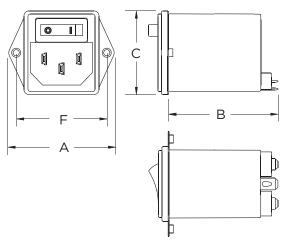
Line Inlet (1): Terminals (2): Ground Terminal (1): Output Shroud:

.138 [3.5] Dia. with .228 [5.8] Dia. x 90° countersink for M3 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

.21 x .34 [5.2 x 8.6] inside dimension

CUFF1



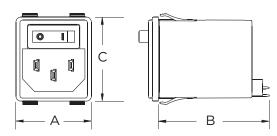
For rear mounted applications only. Maximum panel thickness: .157 [4.0]

Typical Dimensions:

Mounting Holes(2): M3 x 0.5 Threaded flange Line Inlet (1): IEC 60320-1 C14

.187 [4.8] with .055 [1.4] Dia. hole Terminals (2): 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): Terminals (2): Ground Terminal (1): Output Shroud:

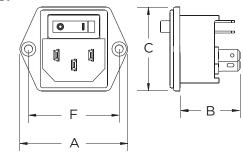
IEC 60320-1 C14

.187 [4.8] with .055 [1.4] Dia. hole .187 [4.8] with .112 x .06 [2.8 x 1.5] slot .21 x .34 [5.2 x 8.6] inside dimension

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CUE₁



Note: Switch output terminal configuration may vary

Typical Dimensions:

Mounting holes (2):

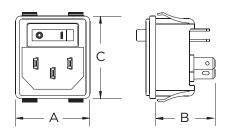
.138 [3.5] Dia. with .228 [5.8] Dia. x 90°

countersink for M3 flathead screw

IEC 60320-1 C14

Line Inlet (1): 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):

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



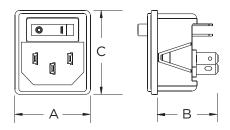
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Compact 1U Height Switched Power Entry Module (continued)

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): Terminals (4): IEC 60320-1 C14

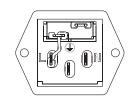
Ground Terminal (1):

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

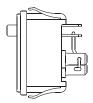
.187 [4.8] with .112 x .06 [2.8 x 1.5] slot

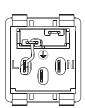
CUBE1 Pre-Connected Terminals





CUBS1 Pre-Connected Terminals





CU10BS1 & CU15BS1 Pre-Connected Terminals

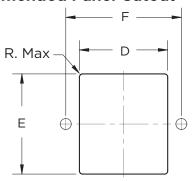




Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .004 ± .100	E ± .004 ± .100	F ± .004 ± .100
CUFE1	1.73	1.75	1.34	1.11	1.26	1.45
COLLI	43.9	44.5	34.1	28.1	31.9	36.8
CUFF1	1.7	1.8	1.34	1.21	1.35	1.45
CUFFI	43.1	45.0	34.1	30.8	34.3	36.8
CLIEC1	1.20	1.8	1.34	1.11	1.26	_
CUFS1	30.6	45.0	34.1	28.1	32.0	
CUE1,	1.73	.96	1.34	1.06	1.09	1.45
CUBE1	43.9	24.6	34.1	26.9	27.6	36.8
CUS1,	1.20	0.97	1.34	1.04	1.26	_
CUBS1	30.6	24.6	34.1	26.4	32.0	
10CUS1,	1.20	0.97	1.34	1.05	1.24	
10CUBS1	30.6	24.6	34.1	26.7	31.6	
15CUS1,	1.20	0.97	1.34	1.05	1.24	
15CUBS1	30.6	24.6	34.1	26.7	31.6	

Recommended Panel Cutout

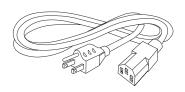


Model	Panel Thickness	R Dim.
CUFF1	.157 [<i>4.0</i>] max.	1.8 [45.72]
CUFS1, CUS1	.025082 [0.63 - 2.1]	1.0 [25.4]
CU10S1	.028039 [<i>0.7</i> - <i>1.0</i>]	1.0 [25.4]
CU15S1	.047 – .059 [1.2 – 1.5]	1.0 [25.4]

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





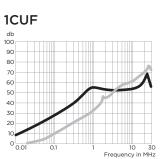
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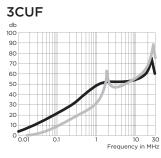
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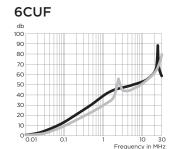
Performance Data

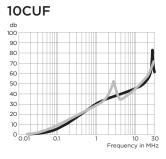
Typical Insertion Loss

Measured in closed 50 Ohm system





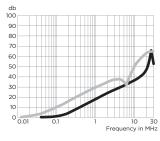




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15CUF



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	Frequency – MHz						
Rating	.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	Frequency – MHz						
Rating	.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