



Introducing Corcom CU Series 1U Height Power Entry Modules

The CU series joins the Corcom product family of Power Entry Modules, filling the need for smaller versions of our switched inlet filters and unfiltered power inlets. This series provides power entry for equipment designed for popular 1U (1.75") height equipment racks. The filtered versions provide complete shielding, shrouded quick connect terminals and basic filtering for 1A to 15A applications, in an extremely compact size.





KEY FEATURES

- Compact 1U (1.75") Design
- 1A-15A*
- Filtered and Unfiltered
- SPST Switch
- Shrouded Quick-Connect Terminals
- Various Mounting Styles
- Lower Power Dissipation
- Higher System Efficiency
- Lower Cooling Demand
- UL Recognized, CSA Certified and VDE Approved*

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

STANDARDS AND SPECIFICATIONS



- UL Recognized
- CSA Certified
- VDE Approved

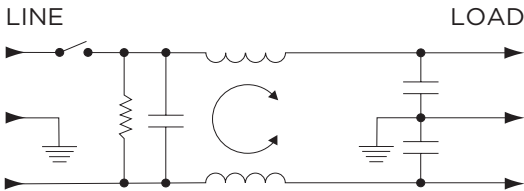
APPLICATIONS

- Rack mounted equipment
- Telecom
- Consumer electronics
- Power supplies
- Routers
- PCs
- TVs
- Lighting
- Imaging equipment
- Set-top boxes
- Other applications with limited panel space.

ELECTRICAL SPECIFICATIONS

		Filtered	Unfiltered
Maximum leakage current each Line to Ground:	@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:		15lb. /67N (max.)	

ELECTRICAL SCHEMATIC



ORDERING INFORMATION

15 CU 10 B S 1**Output Style**

1 - .187 [4.8] spade terminals

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

PRODUCT OFFERING

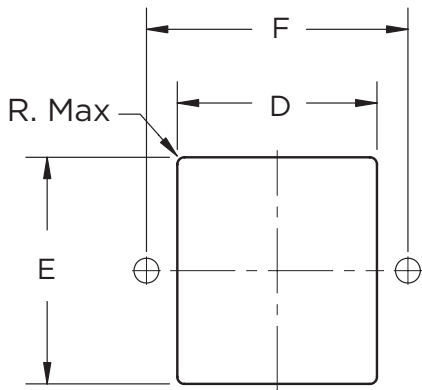
Filtered Versions

Flange Mount		Flush Mount (rear)		Snap-In	
2-1609113-2:	1CUFE1	2-1609114-2:	1CUFF1	2-1609113-7:	1CUFS1
2-1609113-3:	3CUFE1	2-1609114-3:	3CUFF1	2-1609113-8:	3CUFS1
2-1609113-4:	6CUFE1	2-1609114-4:	6CUFF1	2-1609113-9:	6CUFS1
2-1609113-5:	10CUFE1	2-1609114-5:	10CUFF1	2-1609114-0:	10CUFS1
2-1609113-6:	15CUFE1	2-1609114-6:	15CUFF1	2-1609114-1:	15CUFS1

Non-filtered Versions

Standard Terminals		Pre-connected Terminals	
2-1609114-7:	15CUE1	2-1609114-8:	15CUBE1
2-1609114-9:	15CUS1	1-1609112-5:	15CUBS1
1-1609112-6:	15CU10S1	1-1609112-7:	15CU10BS1
1-1609112-8:	15CU15S1	1-1609112-9:	15CU15BS1

RECOMMENDED PANEL CUTOUT



Model	Panel Thickness	R Dim.
CUFF1	.157 [4.00] max.	1.8 [45.72]
CUFS1, CUS1	.025 — .082 [0.63 — 2.1]	1.0 [25.4]
CUFS1, CUS1	.028 — .039 [0.7 — 1.0]	1.0 [25.4]
CUFS1, CUS1	.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

PERFORMANCE DATA

Minimum Insertion Loss - Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

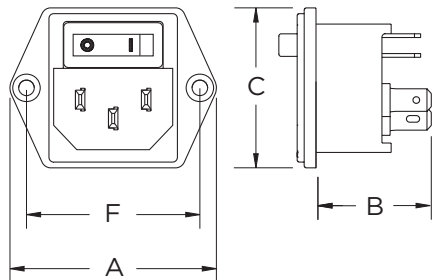
Current Rating	Frequency — MHz						
	0.05	0.15	0.05	1	5	10	30
1A	19	30	44	49	47	44	45
3A	13	23	37	43	47	44	49
6A	5	14	28	34	43	43	48
10A	1	7	19	25	35	36	52
15A	-	1	10	13	25	27	42

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency — MHz						
	0.05	0.15	0.05	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

CASE STYLES

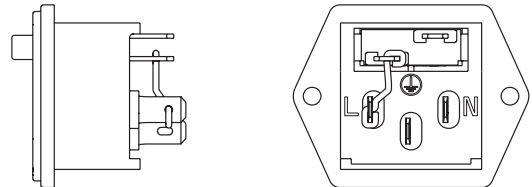
CUE1



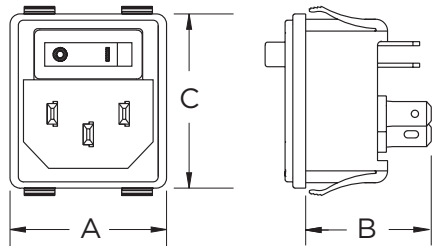
Typical Dimensions:

Mounting holes (2):	.183 [3.5] Dia. with .228 [5.8] Dia. x 90° countersink for M3 flathead screw IEC 60320-1 C14
Line Inlet (1):	.187 [4.8] with .055 [1.4] Dia. hole
Terminals (2):	.187 [4.8] with .112 x .06 [2.8 x 1.5] slot

CUBE1 Pre-connected Terminals



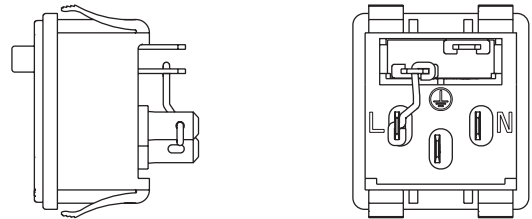
CUS1



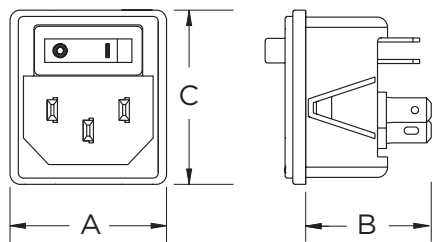
Typical Dimensions:

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

CUBS1 Pre-connected Terminals



CU10S1 & CU15S1

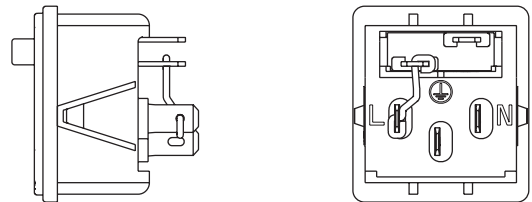


Available for panel thickness .07 - 1.0mm (CU10S1) or 1.2 - 1.55mm (CU15S1)

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

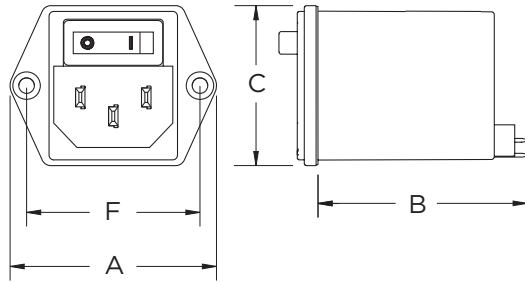
CU10BS1 & CU15BS1 Pre-connected Terminals



NOTE: Switch output terminal configurations for any unfiltered version may vary from that shown here. Dimensions are not affected.

CASE STYLES

CUFE1



Typical Dimensions:

Mounting holes (2):

.183 [3.5] Dia. with .228 [5.8] Dia. x 90°
countersink for M3 flathead screw
IEC 60320-1 C14

Line Inlet (1):

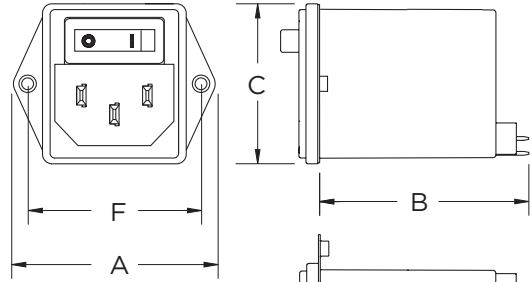
Terminals (2):

Ground Terminal (1):

Output Shroud:

.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



Typical Dimensions:

Mounting holes (2):

.183 [3.5] Dia. with .228 [5.8] Dia. x 90°
countersink for M3 flathead screw
IEC 60320-1 C14

Line Inlet (1):

Terminals (2):

Ground Terminal (1):

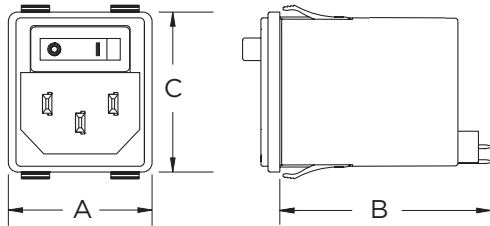
Output Shroud:

.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

Note:

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

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

CASE DIMENSIONS

Part Numbers	A (max)	B (max)	C (max)	D ±0.004 ±0.100	E ±0.004 ±0.100	F ±0.004 ±0.100
CUFE1	1.73	1.75	1.34	1.11	1.26	1.45
	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
	43.1	45	34.1	30.8	34.3	36.8
CUFS1	1.2	1.8	1.34	1.11	1.26	-
	30.6	45	34.1	28.1	32	
CUE1, CUBE1	1.73	0.96	1.34	1.06	1.09	1.45
	43.9	24.6	34.1	26.9	27.6	36.8
CUS1, CUBS1	1.2	0.97	1.34	1.04	1.26	-
	30.6	24.6	34.1	26.4	32	
10CUS1, 10CUBS1	1.2	0.97	1.34	1.05	1.24	-
	30.6	24.6	34.1	26.7	31.6	
15CUS1, 15CUBS1	1.2	0.97	1.34	1.05	1.24	-
	30.6	24.6	34.1	26.7	31.6	

FOR MORE INFORMATION

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Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.

*as defined www.te.com/leadfree

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