

# C Series

Switch with IEC Connector Compact Size



UL Recognized  
CSA Certified  
VDE Approved

## C Series

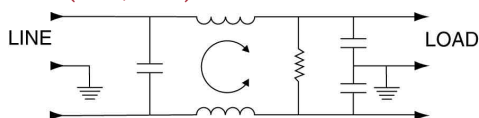
Two function power entry module combining a DPST switch and an IEC 320 power line connector. Compact packaging allows a smaller panel cutout with choice of snap-in or flange mounting. Available with general purpose filtering (F models - CFS, CFE), medical application filtering (H models - CHS, CHE) or unfiltered (CS, CE). Terminals allow for easy connection to any wiring scheme. Preconnected terminals from line to switch are available (B Models - CBS, CBE) for reducing OEM wiring time.

The medical versions (H models) are designed specifically for health care applications. Their extremely low leakage current allows compliance with UL544 and UL2601 as well as CSA22.2 health care specifications for use with both patient and non-patient care equipment.

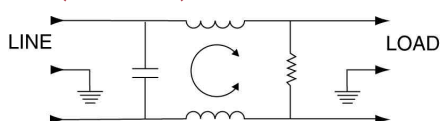
The C series also has the adaptability to fit into existing panel cutouts using snap-on extender options. Using the CA430 extender, the panel cutout height is increased by 0.13". (Extender is available pre-assembled using part numbers with 'K' designation)

## Electrical Schematic

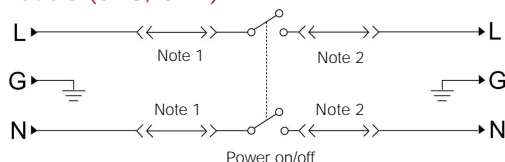
### F Models (CFS, CFE)



### H Models (CHS, CHE)



### B Models (CBS, CBE)



Resistor location for reference only.

Note 1: Jumpers provided on CBS and CBE versions.  
Note 2: Location of optional filter.



CFS



CS

## Specifications

Hipot rating (one minute):

line-to-ground 2250 VDC  
line-to-line 1450 VDC

Operating frequency: 50/60 Hz

Rated voltage: 120/250 VAC

Rated current: 10A@120 VAC  
10A @ 250 VAC

Operating voltages: 115/230 VAC

Switch: Rated for 10,000 operations at full load.

51 Amp inrush capability.

Terminals: Unfiltered .187" x .032" terminals  
Filtered .25" x .032" terminals

## Filtered Models Only:

Maximum leakage current, each line-to-ground

F models	@ 120 VAC 60 Hz:	.25mA
	@ 250 VAC 50 Hz:	.40mA
H models	@ 120 VAC 60 Hz:	2µA
	@ 250 VAC 50 Hz:	5µA

## Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	Frequency MHz						
	0.05	0.15	0.5	1	5	10	30
<b>H Models</b>							
1A	16	21	37	44	26	21	10
3A	9	14	31	32	26	24	14
6A	4	10	22	23	19	18	13
10A	2	6	10	15	11	11	9
<b>F Models</b>							
1A	10	26	46	48	46	47	46
3A	8	16	32	36	43	48	50
6A	4	11	22	27	36	41	50
10A	1	4	14	18	27	33	42

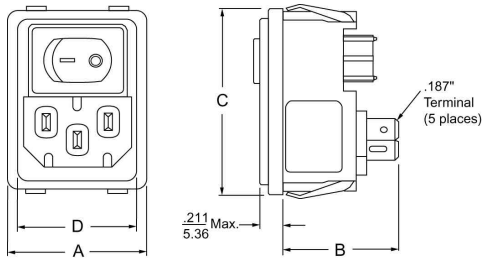
Line-to-line in 50 ohm circuit

Current Rating	Frequency MHz						
	0.05	0.15	0.5	1	5	10	30
<b>H Models</b>							
1A	1	6	13	29	38	42	26
3A	1	5	10	22	36	34	36
6A	1	5	14	20	31	33	37
10A	1	4	11	19	32	37	38
<b>F Models</b>							
1A	1	3	13	28	62	67	42
3A	2	6	14	23	65	65	67
6A	2	6	14	27	46	48	58
10A	1	7	14	23	42	44	62

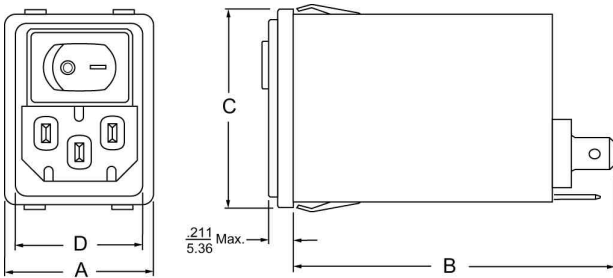
## Case Styles

Metric shown in italics.

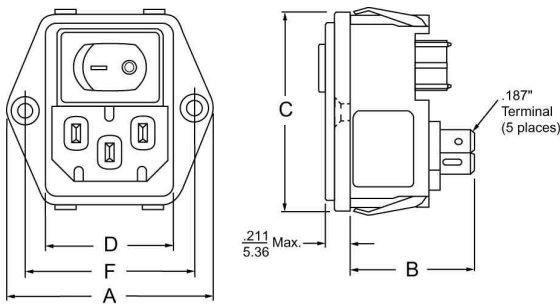
### CS, CBS†



### CFS, CHS

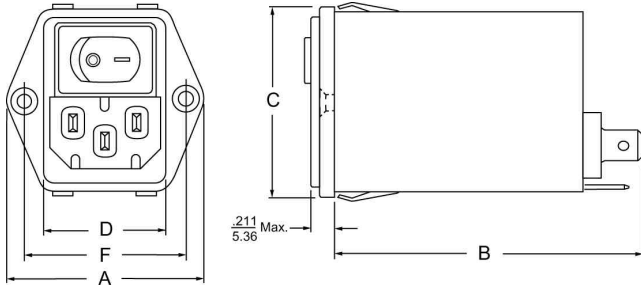


### CE, CBE†



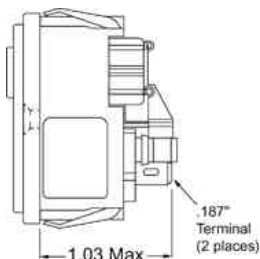
Mounting holes:  $\frac{.13}{3.3}$  Dia. (2) with .23 Dia. x 90° Counter sunk

### CFE, CHE



Mounting holes:  $\frac{.13}{3.3}$  Dia. (2) with .23 Dia. x 90° Counter sunk

### †CBS, CBE Pre-wired Terminals (Side View)



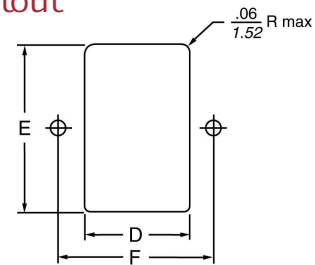
## Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D $\pm .006$ $\pm .152$	E $\pm .006$ $\pm .152$	F $\pm .006$ $\pm .152$
CS, CBS	$\frac{1.23}{31.24}$	$\frac{.97}{24.64}$	$\frac{1.62}{41.17}$	$\frac{1.06}{26.92}$	$\frac{1.540^*}{39.12^*}$	
CE, CBE	$\frac{1.74}{44.2}$	$\frac{.97}{24.64}$	$\frac{1.62}{41.17}$	$\frac{1.06}{26.92}$	$\frac{1.540^*}{39.12^*}$	$\frac{1.417}{36.0}$
CFS, CHS	$\frac{1.23}{31.24}$	$\frac{2.53}{64.26}$	$\frac{1.62}{41.17}$	$\frac{1.12}{28.5}$	$\frac{1.540^*}{39.12^*}$	
CFE, CHE	$\frac{1.74}{44.2}$	$\frac{2.53}{64.26}$	$\frac{1.62}{41.17}$	$\frac{1.12}{28.5}$	$\frac{1.540^*}{39.12^*}$	$\frac{1.417}{36.0}$

\* with K extender (CA430) add to height  $\frac{.13}{3.3}$

## Panel Cutout



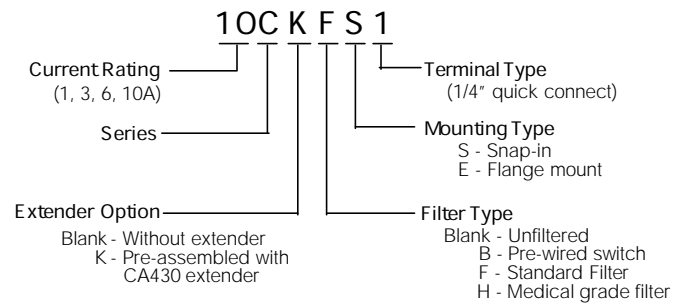
Panel Cutout for thickness of .031-.098 (.8-2.5).  
Not recommended for plastic panels.

For snap-in applications, the D sides of the cutout must have a .02(.508) radius on the installation side.

Snap-in models allow front mounting only.

## Ordering Information

Consult your local Corcom sales representative for pricing.



## Available Part Numbers

10CS1	10CE1	1CHS1	1CHE1
10CKS1	10CKE1	1CKHS1	1CKHE1
1CFS1	1CFE1	3CHS1	3CHE1
1CKFS1	1CKFE1	3CKHS1	3CKHE1
3CFS1	3CFE1	6CHS1	6CHE1
3CKFS1	3CKFE1	6CKHS1	6CKHE1
6CFS1	6CFE1	10CHS1	10CHE1
6CKFS1	6CKFE1	10CKHS1	10CKHE1
10CFS1	10CFE1		
10CKFS1	10CKFE1		
10CBS1	10CBE1		
10CKBS1	10CKBE1		