Switch with IEC Connector Compact Size

C Series



UL Recognized
CSA Certified
VDE Approved

†Applies to Filtered models only.

C Series

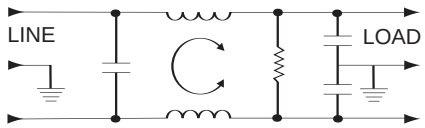
Two function power entry module combining a DPST switch and an IEC 320 power line connector. Compact packaging allows a smaller panel cutout with choice of snap-in or flange mounting. Available with general purpose filtering (F models - CFS, CFE), medical application filtering (H models - CHS, CHE) or 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. For more information on UL544 or UL2601, see Appendix C.

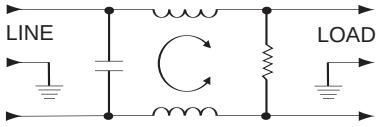
Note: When using the models with an IEC connector, remember that the leakage current of the companion line cord, GA400, is more significant than that of the filter - which may disqualify this line cord from use in patient care applications.

Electrical Schematics

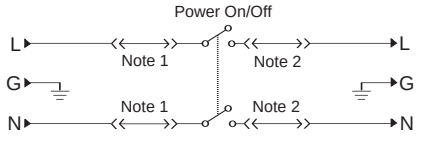
F Models (CFS, CFE)



H Models (CHS, CHE)



B Models (CBS, CBE)



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

Resistor location for reference only.

Specifications

Maximum leakage current, each line to ground: †

	F Models	H Models
@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 frequency: 50/60 Hz

Rated voltage: 250 VAC

Operating voltages: 115/230 VAC

Switch: Double-insulated rated for 10,000 operations at full load. 51 Amp inrush capability.

Unfiltered Push-on Force: 18 lb/80 N

Minimum insertion loss in dB:
Line-to-ground in 50 ohm circuit

Current	Frequency MHz						
Rating	0.05	0.15	0.5	1	5	10	30
F Models							
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
H Models							
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

Line-to-line in 50 ohm circuit

Current	Frequency MHz						
Rating	0.05	0.15	0.5	1	5	10	30
F Models							
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
H Models							
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

Catalog 1654001
Revised 05-07

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

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CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

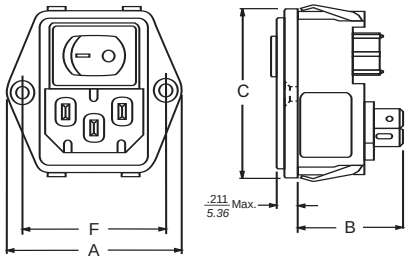
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www.tycoelectronics.com

Switch with IEC Connector Compact Size (Continued)

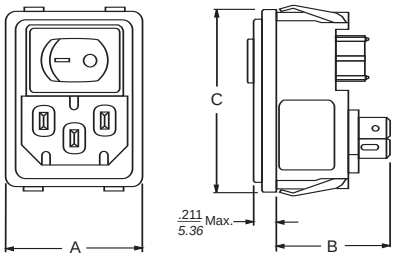
C Series

Case Styles

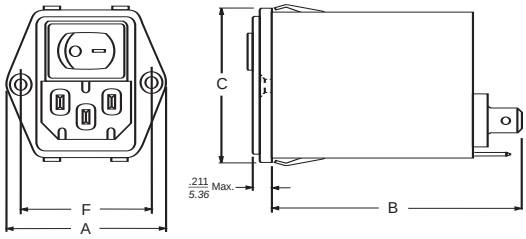
CE, CBE*



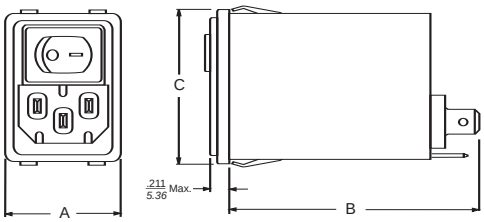
CS, CBS*



CFE, CHE

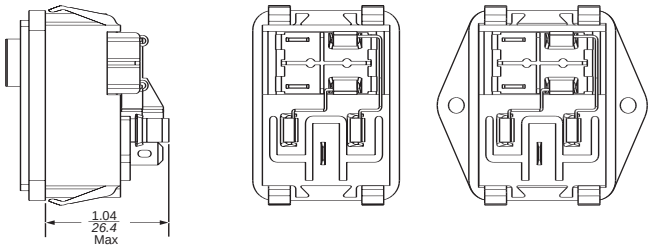


CFS, CHS



Typical Dimensions:
Mounting Holes: .13 [*3.3*] Dia. (2) with .23 Dia. x 90° Counter sunk
Terminals: .250 [*6.35*] (3)
Holes: .07 [*1.8*] Dia.

CBS, CBE Pre-Connected Terminals



CBS, CBE Side View | CBS Rear View | CBE Rear View

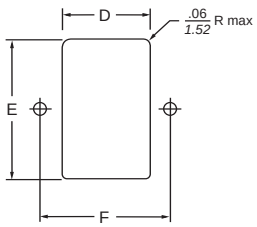
Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .006 / ± .152	E ± .006 / ± .152	F ± .006 / ± .152
CS, CBS	**1.23**	**.97**	**1.62**	**1.06**	**1.54**	—
	31.24	*24.64*	*41.17*	*26.92*	*39.12*	
CE, CBE	**1.74**	**.97**	**1.62**	**1.06**	**1.54**	**1.417**
	44.2	*24.64*	*41.17*	*26.92*	*39.12*	*36.0*
CFS, CHS	**1.23**	**2.53**	**1.62**	**1.12**	**1.54**	—
	31.24	*64.26*	*41.17*	*28.5*	*39.12*	
CFE, CHE	**1.74**	**2.53**	**1.62**	**1.12**	**1.54**	**1.417**
	44.2	*64.26*	*41.17*	*28.5*	*39.12*	*36.0*

Part Numbers

1CFS1	1CFE1	1CHS1	1CHE1
3CFS1	3CFE1	3CHS1	3CHE1
6CFS1	6CFE1	6CHS1	6CHE1
10CFS1	10CFE1	10CHS1	10CHE1
10CS1	10CE1	10CBS1	10CBE1

Recommended 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.

Power Entry Modules

Catalog 1654001
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