Server Technology
Quality Rack Power Solutions

Fail-Safe Power Redundancy

Automatic Transfer Switch for Single-Cord Devices

The Server Technology® Fail-Safe Transfer Switch (FSTS) provides fail-over redundancy to single or dual power supply servers and network devices. Exclusive to the Fail-Safe Transfer Switch is its ability to carry loads on both the A and B circuits during normal operation. Unlike a common automatic transfer switch, the Fail-Safe unit is unique in that the "A" in-feed routinely powers half the outlets, and the "B" in-feed routinely powers the other half. However, if either in-feed goes down, the other powers all outlets. This "Fail-Safe" method has several advantages compared to a standard ATS. A standard ATS contains two-in-feeds, but runs all outlets from just one source, with the secondary source only being used once an outage occurs. The Server Technology design does not prohibit load balancing between the two supplied circuits which results in less heat and a lower voltage drop compared to the same load existing on just one source. Only when an outage occurs on one of the two sources will the entire load be applied to a single source.

The Server Technology® Metered FSTS provides local LED input current monitoring, allowing IT personnel to determine safe levels of loading on a per-input basis while installing equipment into the rack/cabinet.

C-8HF2

C-16HF2

C-16HF1

Specifications

Input

Metered: Digital True RMS input current at ±10% and 0.1 amp resolution (to 9.9 amps measurement, 1 amp at > 10 amp).

North America

Model #	Connector	Cord	Current Rating	Voltage Rating
C-8HF2-C203	IEC C20	Use PTCORD*	≤ 16A (20A max)	208V-240V L-L nominal, 60Hz
C-8HF2-L303	NEMA L6-30P	10ft, 3-conductor, 10AWG	≤ 24A (30A max)	208V-240V L-L nominal, 60Hz
C-16HF1-C20	IEC C20	Use PTCORD*	≤ 16A (20A max)	100V-120V L-N nominal, 60Hz
C-16HF1-L30	NEMA L5-30P	10ft, 3-conductor, 10AWG	≤ 24A (30A max)	100V-120V L-N nominal, 60Hz
C-16HF2-C20	IEC C20	Use PTCORD*	≤ 16A (20A max)	208V-240V L-L nominal, 60Hz
C-16HF2-L30	NEMA L6-30P	10ft, 3-conductor, 10AWG	≤ 24A (30A max)	208V-240V L-L nominal, 60Hz

Global

Model #	Connector	Cord	Current Rating	Voltage Rating
C-8HFE-C203	IEC C20	Use PTCORD*	≤ 16A	220V-240V L-N nominal, 50Hz
C-8HFE-P323	IEC 60309 6hr 2P+PE Blue Plug	3m, 3-conductor, H05VV-F, 4.0mm^2	≤ 32A	220V-240V L-N nominal, 50Hz
C-16HFE-C20	IEC C20	Use PTCORD*	≤ 16A	220V-240V L-N nominal, 50Hz
C-16HFE-P32	IEC 60309 6hr 2P+PE Blue Plug	3m, 3-conductor, H05VV-F, 4.0mm^2	≤ 32A	220V-240V L-N nominal, 50Hz

*PTCORD's ordered separately. Choose L6-20P, L5-20P, CEE 7/7 Schuko, IEC 60309 2P+E, or BS1363

Output

North America

Model #	Outlets	Current Rating	Usable/Max Power
C-8HF2-C203	(8) IEC C19	≤ 16A (20A max)	3.3kW/4.1kW @208V
C-8HF2-L303	(8) IEC C19	≤ 16A (20A max)	5.0kW/6.2kW @208V
C-16HF1-C20	(16) NEMA 5-20R	≤ 16A (20A max)	1.9kW/2.4kW @120V
C-16HF1-L30	(16) NEMA 5-20R	≤ 16A (20A max)	2.8kW/3.6kW @120V
C-16HF2-C20	(16) IEC C13	≤ 12A (15A max)	3.3kW/4.1kW @208V
C-16HF2-L30	(16) IEC C13	≤ 12A (15A max)	5.0kW/6.2kW @208V

Global

Model #	Outlets	Current Rating	Max Power
C-8HFE-C203	(8) IEC C19	≤ 16A	3680W @230V
C-8HFE-P323	(8) IEC C19	≤ 16A	7360W @230V
C-16HFE-C20	(16) IEC C13	≤ 10A	3680W @230V
C-16HFE-P32	(16) IEC C13	≤ 10A	7360W @230V

Branch Circuit Protection

- UL248 listed fuses, 20A
- Two (2) branches per input
- Current Rating: ≤16A; Interrupt rated at 100kAIC

Physical

- Dimensions: See drawings below
- Shipping dimensions: 23.5 x 23.5 x 9.25 in. (59.7 x 59.7 x 23.5 cm)
- Shipping Weight: 25 lbs

Specifications (Continued)

Environmental Requirements

	Operating	Storage
Temperature	32° to 104° F (0° to 40° C)	-40° to 185° F (-40° to 85° C)
Relative Humidity	8% to 90% non-condensing	8% to 90% non-condensing

Certifications

North America

· cTUVus Mark to UL 60950-1:2007 and CAN/CSA 22.2 No. 60950-1-07
· EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A
· FCC Class A, Part 15
· RoHS/WEEE

Global

. TUVGS Mark to EN 60950-1:2006 + A11
. EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A
. CE Mark
. RoHS/WEEE

Accessories

Mounting Brackets

• 19" rack brackets included. (see diagram).
• See the Mounting Bracket Guide for further suggestions.
• Custom mounting options available. Contact your local Server Technology® representative.

Additional Information

Warranty: Server Technology®offers a standard 2-year limited parts & labor warranty. Extended support is available at the time of purchase. Visit **http://www.servertech.com/support/server-tech-warranty** Support Options on the website, or contact your local Server Technology representative for more information.

Patents: Information on Server Technology®patents is available on the website at **http://www.servertech.com/products/patents** Information in this document is current as of time of publishing. Contact your Server Technology® representative for the most up-to-date information.

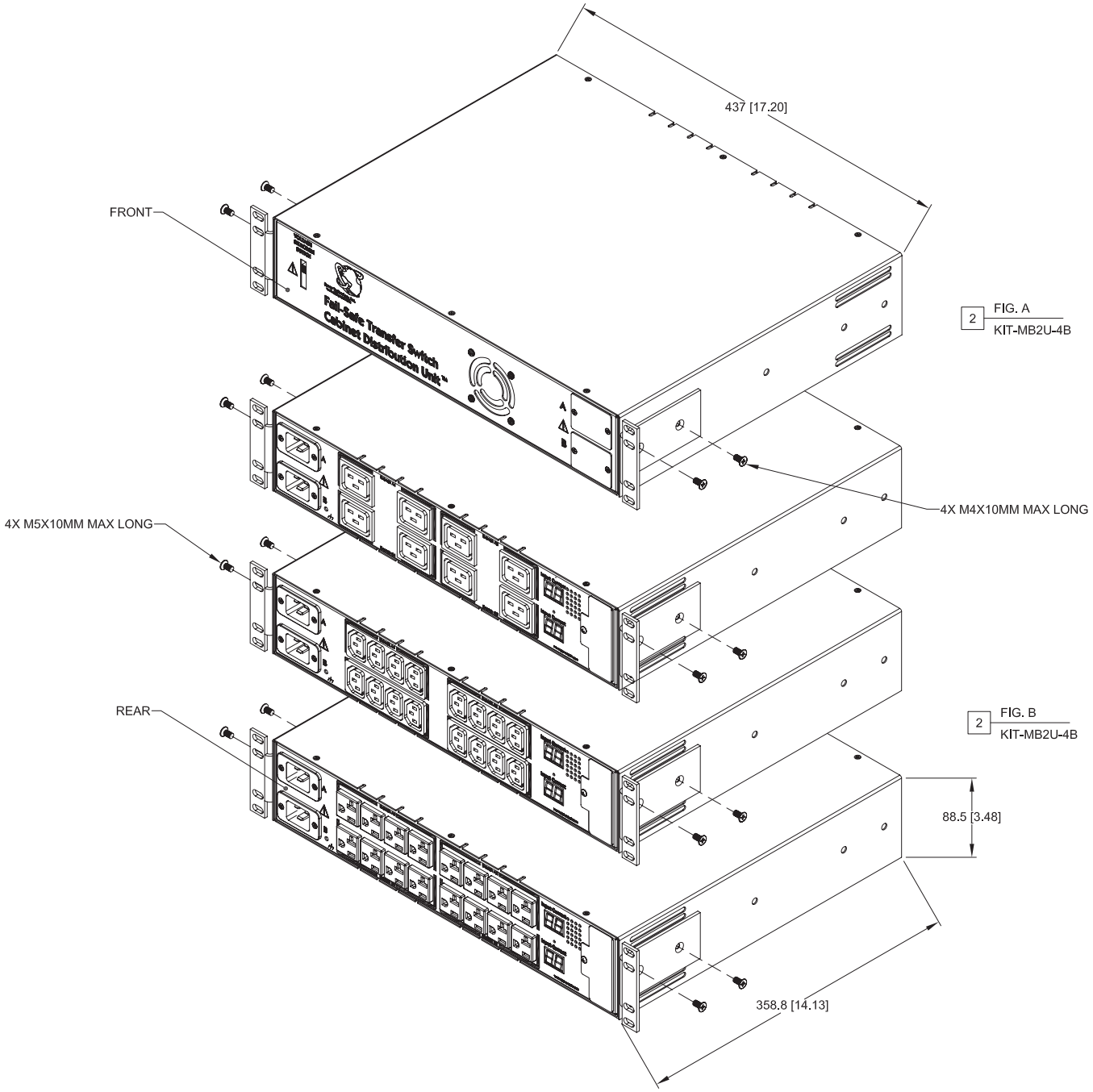
Server Technology

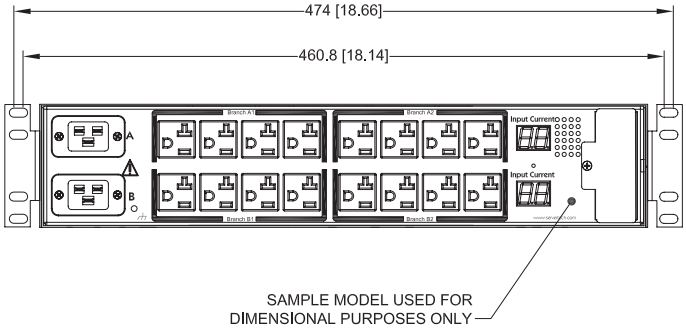
HEADQUARTERS - NORTH AMERICA
Server Technology, Inc.
1040 Sandhill Drive
Reno, NV 89521
United States
1.775.284.2000 Tel
1.775.284.2065 Fax
sales@servertech.com
www.servertech.com
www.servertechblog.com

Western Europe, Middle East and Africa
Server Technology
Fountain Court
2 Victoria Square
Victoria Street
St. Albans
AL1 3TF
United Kingdom
+44 (0) 1727 884676 Tel
+44 (0) 1727 220815 Fax
salesint@servertech.com

Central Europe, Eastern Europe and Russia
Niederlassung Deutschland
Server Technology LLC
42119 Wuppertal
Germany
Tel: + 49 202 693917 x 0
Fax: + 49 202 693917-10
salesint@servertech.com

APAC
Server Technology
Room 2301, 23/F, Future Plaza
111-113 How Ming Street, Kwun Tong, Hong Kong
Direct line: +852 3916 2048
Fax Line: +852 3916 2002
salesint@servertech.com


437 [17.20]
FRONT
4X M5X10MM MAX LONG
REAR
4X M4X10MM MAX LONG
2 FIG. A
KIT-MB2U-4B
2 FIG. B
KIT-MB2U-4B
88.5 [3.48]
358.8 [14.13]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SAMPLE MODEL USED FOR
DIMENSIONAL PURPOSES ONLY