990-5837C-001 Release Date: 12/2021

Automatic Transfer Switch AP4422

Overview

The APC Rack Automatic Transfer Switch (ATS) provides reliable, redundant power to single-corded equipment loads, such as servers. The Rack ATS has two input power cords supplying power to the connected loads. If the primary source becomes unavailable or out of the selected range, the Rack ATS will seamlessly source power from the secondary source without interrupting critical loads.

The Rack ATS has built-in network connectivity, which allows for remote management via Web, Telnet, SNMP, SSH or StruxureWare Data Center Expert® interfaces.

Input power cords: The two IEC 309-16 A, 3-pin plug cords connect the switch to two separate power sources (A, B). The switch is set to draw power from the preferred source and to automatically switch over to the secondary source when necessary.

Output power cord: The IEC 309-16 A, 3-pin output cord connects the switch to a Rack-mount PDU, providing a redundant source of power to the PDU and the equipment connected to it.

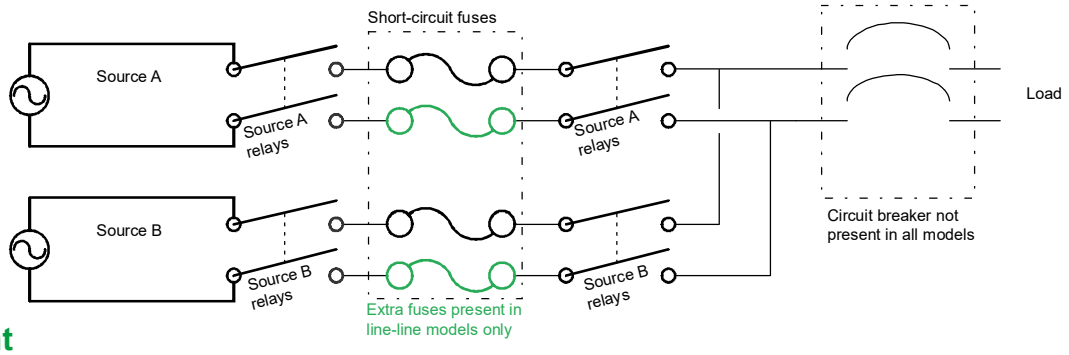
APC
70 Mechanic Street
02035 Foxboro, MA
USA

www.apc.com

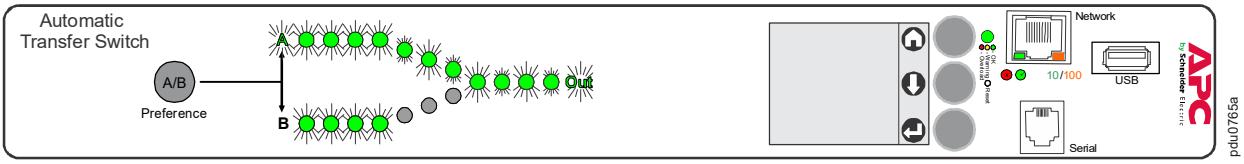
As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

© 2021 Schneider Electric. APC, the APC logo, and StruxureWare are trademarks of Schneider Electric SE or its subsidiaries. All other brands may be trademarks of their respective owners.

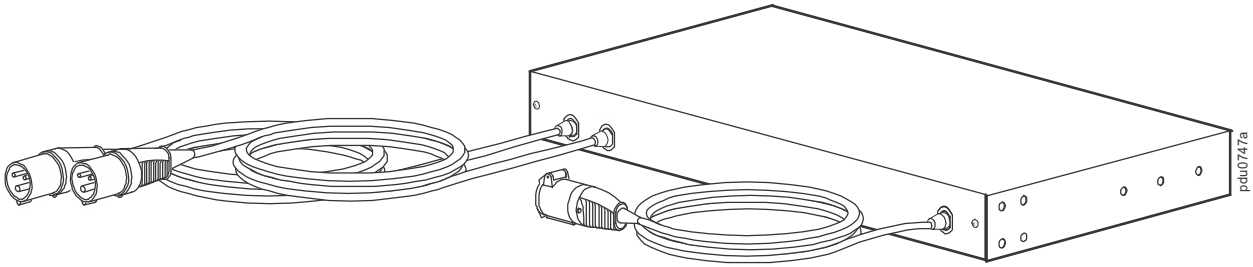
ATS schematic



Front



Rear



Specifications

Electrical	
Nominal input voltage	230 VAC
Acceptable input voltage	±10% of nominal
Input frequency	50/60 Hz
Input connectors	Two (2) 0.9 m (3 ft) attached IEC 309-16 A, 3-pin line cords
Output connector	0.9 m (3 ft) attached IEC 309-16 A, 3-pin line cord
Maximum output current (outlet)	16 A (IEC 309)
Maximum output/input current	16 A
Overload protection Internal External	 Not provided with unit Not provided with unit
Transfer time	10 ms maximum (high sensitivity, 50–60 Hz) 12 ms maximum (low sensitivity, 50–60 Hz)
Short circuit current rating	10 kA
Physical	
Dimensions (H × W × D)	43.7 x 431.8 x 236.2 mm (1.72 × 17.00 × 9.30 in)
Shipping dimensions (H × W × D)	114.3 x 600.2 x 355.6 mm (4.50 x 23.63 x 14.00 in)
Weight	4.29 kg (9.26 lb)
Shipping weight	6.02 kg (13.28 lb)
Environmental	
Elevation (above MSL): Operating Storage	 0 to 3000 m (0 to 10,000 ft) 0 to 15 000 m (0 to 50,000 ft)
Temperature: Operating Storage	 –5 to 45°C (23 to 113°F) –25 to 65° C (–13 to 149°F)
Humidity: Operating Storage	 5 to 95%, non-condensing 5 to 95%, non-condensing
Compliance	
EMC	EN 55032, EN55024
Safety	UL - EU / CE UL/EN/IEC 62368-1 LVD 2014/35/EU UKCA, EAC, RCM
Approved for IT power systems	Yes