

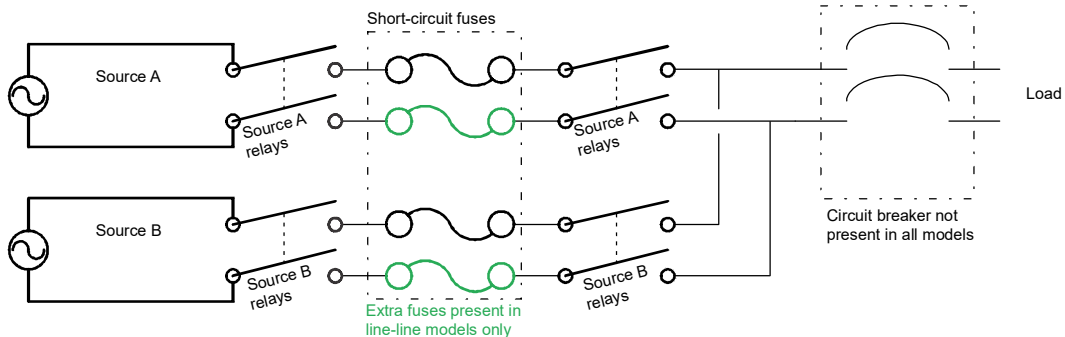
Automatic Transfer Switch AP4422

Overview

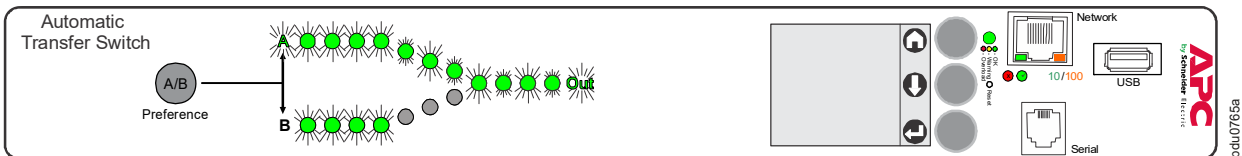
The APC by Schneider Electric Rack Automatic Transfer Switch (ATS) provides reliable, redundant power to single-corded equipment loads, such as servers. The Rack ATS has two input power cords supplying power to the connected loads. If the primary source becomes unavailable or out of the selected range, 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.

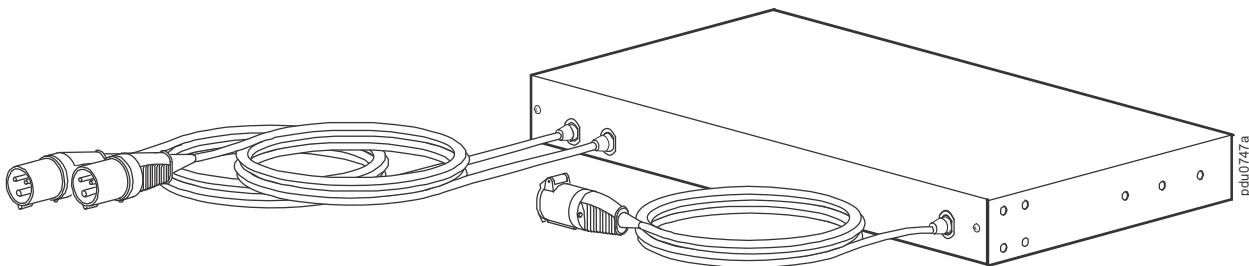
ATS schematic



Front



Rear



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.

Specifications

Electrical

Nominal input voltage	230 VAC
Acceptable input voltage	±10% of nominal
Input frequency	50/60Hz
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	Not provided with unit
External	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	0 to 3000 m (0 to 10,000 ft)
Storage	0 to 15 000 m (0 to 50,000 ft)
Temperature:	
Operating	–5 to 45°C (23 to 113°F)
Storage	–25 to 65°C (–13 to 149°F)
Humidity:	
Operating	5 to 95%, non-condensing
Storage	5 to 95%, non-condensing

Compliance

EMC	EMC Directive 2014/30/EU
Safety	UL - EU / CE UL/EN/IEC 62368-1 LVD 2014/35/EU
Approved for IT power systems	Yes

Customer support and warranty information are available on the website,
www.apc.com.