

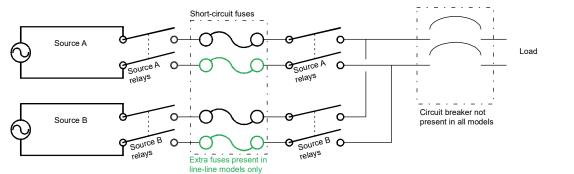
Rack Automatic Transfer Switch AP4421

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.

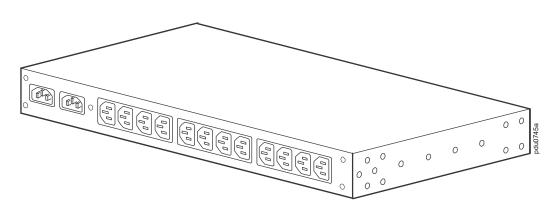
ATS schematic



Front



Rear



Inlets: The two (2) C14 inlets support the connection of two power cords (not provided) to link the ATS to two separate power sources (A, B). The switch draws power from the preferred source and automatically switches to the secondary source when necessary.

Outlets: The twelve (12) C13 outlets connect the ATS to equipment in the rack or enclosure, providing a redundant source of power to the connected equipment.

Specifications

Acceptable input voltage $\pm 10\%$ of nominalInput frequency50/60 HzInput connectorsTwo (2) C14 inletsOutput connectorsTwelve (12) C13 outletsMaximum output current (outlet)10 AMaximum output/input current10 AOverload protectionInternalInternalNot provided with this unitExternal (recommended)16 A facility providedTransfer time10 ms maximum (low sensitivity, 50–60 Hz)12 ms maximum (low sensitivity, 50–60 Hz)12 ms maximum (low sensitivity, 50–60 Hz)Short circuit current rating10 kAPhysicalDimensions43.7 x 431.8 x 236.2 mm(H x W x D)(1.72 x 17.00 x 9.30 in)Shipping dimensions114.3 x 600.2 x 355.6 mm(H x W x D)(4.50 x 23.63 x 14.00 in)Weight3.74 kg (8.25lb)Shipping weight5.51 kg (12.15 lb)EnvironmentalMaximum elevation (above MSL) Operating0 to 3000 m (0 to 10,000 ft)Storage-5 to 45°C (23 to 113°F)Storage-5 to 45°C (23 to 113°F)Storage-5 to 95%, non-condensingStorage5 to 95%, non-condensing <td< th=""><th>Electrical</th><th></th></td<>	Electrical	
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Two (2) C14 inletsOutput connectorsTwo (2) C14 inletsMaximum output current (outlet)10 AMaximum output/input current10 AOverload protectionInternalInternalNot provided with this unitExternal (recommended)16 A facility providedTransfer time10 ms maximum (high sensitivity, 50–60 Hz)Short circuit current rating10 kAPhysical10 kADimensions43.7 x 431.8 x 236.2 mm(H x W x D)(1.72 x 17.00 x 9.30 in)Shipping dimensions114.3 x 600.2 x 355.6 mm(H x W x D)(4.50 x 23.63 x 14.00 in)Weight3.74 kg (8.25lb)Shipping weight5.51 kg (12.15 lb)EnvironmentalOperatingMaximum elevation (above MSL) Operating0 to 3000 m (0 to 10,000 ft)Operating-5 to $45^{\circ}C$ (23 to $113^{\circ}F$)Storage-5 to $65^{\circ}C$ (-13 to $149^{\circ}F$)Humidity Operating5 to 95%, non-condensing 5 to 95%, non-condensingComplianceEMCEMC Directive 2014/30/EUSafetyUL - EU / CE UL/EN/IEC 60950-1 LVD 2014/35/EU	Acceptable input voltage	±10% of nominal
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LVD 2014/35/EU	EMC	EMC Directive 2014/30/EU
Approved for IT Power Systems Yes	Safety	
	Approved for IT Power Systems	Yes

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

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