



# ASYS

Compact 19" transfer switch for power redundancy  
16 A, 19" Rack mounted

Automatic Transfer  
System



## The solution for

- > Rack servers
- > IT applications
- > Routers, switches, hubs, etc

## Advantages



### Rack automatic system for IT networks

The ASYS automatic transfer system provides reliable redundant power to single corded IT equipment.

It performs an automatic and seamless transfer of the critical load to an alternate source in case of preferred source corruption. The transfer is carried out without source overlapping.

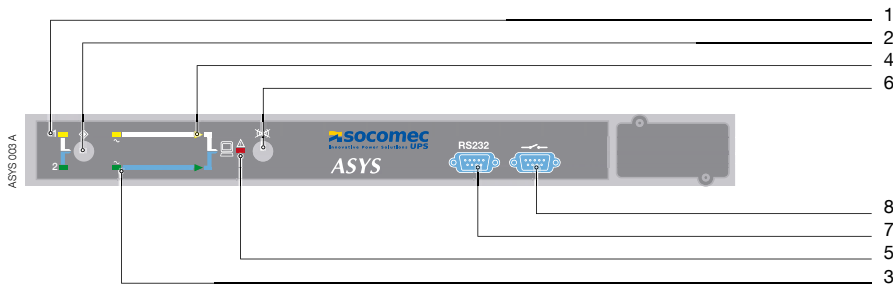
### Continuity of service for critical applications

- Located as close as possible to the application, ASYS allows for a highly accessible architecture.
- ASYS has been designed to be easily installed near sensitive applications, to fit into 19" racks.

### Easy site operation

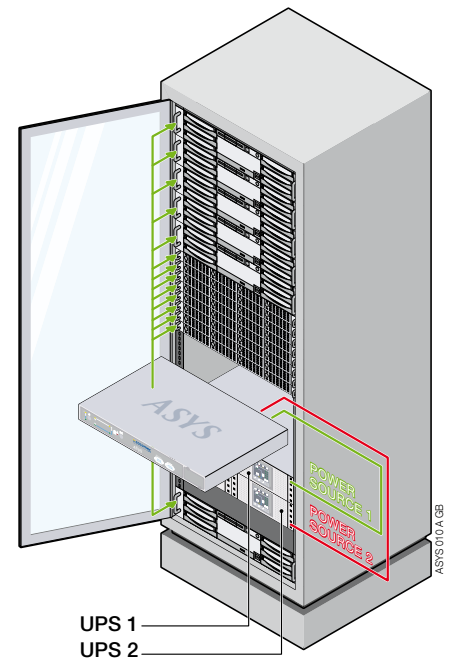
- Easy changing of the preferred supply path without modifying the cabling.
- Carried out by the operator and secured by the automatic control, ASYS switches the load from one path to the other.
- Provides redundant power supply to single corded equipment, servers, routers, switches, hubs, etc.
- Powered by two separate independent sources (UPS).
- Permanent source monitoring.
- Automatic switching to alternate source.
- Synchronised and non-synchronised source management
- Preferred source selection on front panel.
- Fast switching with synchronised or out of phase sources.
- Compact 19" rack 1U system.

## Front view



1. Preferred source indication
2. Preferred source selection
3. Input source status
4. Supplying source
5. General alarm
6. Buzzer acknowledge
7. RS232 communication port (MODBUS RTU)
8. Dry contacts communication port

## Application Rack



## Technical data

ASYS		
Model	16A-120	16A-230
<b>INPUT</b>		
Rated voltage	120 V	220/230/240 V (selectable)
Voltage tolerance	± 12% (± 20% available on request)	
Rated frequency	50/60 Hz (auto sensing)	
Frequency tolerance	± 15%	
Rated current	16 A	
<b>OUTPUT</b>		
Rated voltage	120 V	220/230/240 V (selectable)
Voltage tolerance	± 12%	
Rated frequency	50/60 Hz	
Frequency tolerance	± 15%	
Rated current	16 A	
Transfer time	6 ms (typical), ≤ 15 ms (maximum)	
<b>CONNECTION</b>		
Input	AWG12X3C/20A	2 x IEC 320-C20
Output	4 x NEMA 5-20R	1 x IEC 320-C19 2 x 3 output IEC 320-C13
Communication	5 dry contacts, RS232	
<b>ENVIRONMENT</b>		
Operating ambient temperature	0 to 40 °C	
Relative humidity	20% - 85% without condensation	
Maximum altitude	≤ 1000 m without derating	
Acoustic level at 1 m (ISO 3746)	< 25 dBA	
Cooling	Natural	
<b>MECHANICAL SPECIFICATIONS</b>		
Dimensions W x D x H	430 x 315 x 44 mm (1U)	
Weight	5 kg	
Degree of protection	IP30	
Colours	Pantone 432C	
<b>STANDARDS</b>		
Safety	IEC 62310-1, AS 62310.1	
EMC	IEC 62310-2, AS 62310.2	
Product declaration	CE, RCM (E2376)	

## Example of possible architecture

