



Quality Energy Provider



ATS16

Automatic Transfer Switch 16A

- AUTOMATIC TRANSFER IN CASE OF SOURCE FAILURE
- BACK FEED PROTECTION (ACCORDING EN62310-1)
- COMPLETE PROTECTION FOR OVERLOAD AND SHORT-CIRCUIT (WITH FUSE HOLDER ACCESSIBLE)
- REDUNDANT POWER SUPPLY (FROM INPUT SOURCE 1 AND SOURCE 2)
- AC SOURCE DETECTION (VOLTAGE AND CURRENT DETECTION)
- OUTPUT DETECTION (CURRENT DETECTION)
- LED DISPLAY
- EPO CONTACT IS INTEGRATED
- RPO ACTIVE (OPEN): OUTPUT NOT SUPPLIED
- DIFFERENT SETTING TO ADJUST THE VOLTAGE FAILURE SENSING LEVEL (+/- 12% ~ +/- 20%) (DEFAULT SETTING: NOMINAL VOLTAGE +/- 12%)
- PROTECTION: IP30
- ON/OFF FOR BUZZER
- SELECTABLE NOMINAL FREQUENCY

Intelligent Switch improve electrical supply continuity. The principle of operation guarantees a higher reliability level than that achieved using a single UPS (on-line with automatic bypass) or several UPS in parallel.

Description of the system

The 2-pole ATS-16 is a two ways, single phase automatic switch powered by two independent synchronous or asynchronous AC power supply sources.

The ATS-16 makes a rapid switch from one source to the other in the event of a fault to the power supply used to power the load.

One of the two sources can be designated as the preferred power supply, to which the ATS-16 will transfer the load. It remains there until different designations or faults require it to be switched to the other source.

The ATS-16 is fitted with a block diagram with LED indicators, capable of providing all information concerning equipment operation status, together with the power source priority selection button BP2 enable trained operators to make full use of the apparatus.

Protection against power supply failures

If one of the two power sources fails or falls outside specifications, ATS-16 will transfer the connected loads to the second power source (switching is instantaneous even if the two sources are not in phase).

Protection against faults with the load

If a fault occurs with one of the loads (for example due to a short-circuit or overload) ATS-16 will disconnect the load to prevent disruption to the others.

TECHNICAL SPECIFICATION

INPUT	
Nominal input voltages	230 Volts (220/230/240 selectable)
Working range	160 ~ 290Vac
Input voltage acceptance window	Nominal voltage +/- 12% ~ +/- 20%
Nominal current	16 Amp
Nominal frequency	50/60Hz selectable
Input frequency range	Nominal frequency +/- 15%
OUTPUT	
Output voltage	Same as input voltage
Output frequency	Same as input (50 /60 Hz)
Output current	16 Amps
Typical transfer time	< 8ms
Max. transfer time	15m second
INTERFACE	
Inlet	IEC 320-C20 x 2
Outlet	IEC 320-C19 x 1 IEC 320-C13-3 x 2
EPO active	Output NOT supplied
MECHANICAL FEATURES	
Dimension	430x315x44mm (1U) (WxDxH)
Weight	Approx. 8kg
ENVIRONMENT	
Operating temperature	0 to 40 °C
Storage humidity	10% to 90%
Operation humidity	20%to 85% No condensing
Operation Altitude	≤ 1000m
Audible noise	25dBA (max.)
Cooling	Natural Cooling
IP Protection	IP 30