

Technical Data Sheet

ATS0324E530 - Automatic Transfer Switch

Single-line No-break bypass Automatic Transfer Switch c/w Isolators

At the core of each system is a four-pole Craig & Derricott changeover device. Rated 400V AC this ATS utilises an electromechanical interlocked 4 pole changeover and provides all the essential requirements for automatically switching to a replacement power source. This unit is rated at 32A with a rated frequency of 50/60Hz.

This TP&N ATS unit allows automatic connection of a secondary electrical supply to a load upon failure of the primary supply and with two separate isolators built-in, provides the ability to isolate both supplies.

The Single-line No-break bypass function isolates the ATS by bypassing the incoming Duty (S1) supply directly to the outgoing load, enabling essential maintenance in accordance with BS8519:2020 (life safety recommendations). The key advantage is that the supply to the load is maintained whilst service and repairs can be carried out on the ATS unit.

Supplied in an IP65 mild steel enclosure with a light grey (RAL 7035) paint finish, each enclosure comes standard with a removable gland plate. Each ATS unit comes with mimic terminals for easy connection of a remote indication panel. Each unit also includes Modbus communication and Volt-Free Status Relays in order to connect to the BMS (building management system) installed within the building.

Each unit contains a built-in Mercia programmable controller designed to monitor the voltage of an incoming AC supply from two different sources. This could be from both generator or mains (utility), or a combination of both. The module monitors S1 (Source 1) and in the event of a failure issues a start command to S2 (Source 2). The main LED indicator lights show the status of the supplies. Please perform a transfer test regularly (every three months is recommended) to confirm the switch is working properly. An annual service is also recommended, please call T.01543 375 541 for more details or visit our website www.craigandderricott.co.uk

AC31 Current Rating :	32A
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Class of Equipment :	PC
EMC Environment :	B
Insulation Voltage (Ui) :	690V
Motor Power Factor:	17.7kW
Impulse Withstand (Uimp) :	8kV
Conditional S/C Current (Icc):	50kA
Short-Time Withstand (Icw):	10kA, 30ms
Form of Separation:	Form 3
Max. Cable Capacity :	35mm²
Cable Access :	Btm Entry & Exit
IP Rating :	IP65 (Not weatherproof)
Height :	800mm
Width :	600mm
Depth :	300mm
Gross Weight :	46.6Kg



Applied Standards :

BS EN 60947-1	BS EN 61439-2
BS EN 60947-3	BS 8519:2020
	BS 9999:2017
BS EN 60947-5-1	BS EN 9991:2024
BS EN 60947-6-1	BG 70/2021
BS EN 60529	Low Voltage Directive -
BS EN 61439-1	(EU) 2014/35

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