

Technical Data Sheet

ATS2504E000 - Automatic Transfer Switch

Standard Automatic Transfer Switch

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 250A 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.

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 Modbus communication in order to connect to the BMS (building management system) if 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 :	250A
AC33 Current Rating :	250A
Class of Equipment :	PC
EMC Environment :	B
Insulation Voltage (Ui) :	690V
Motor Power Factor:	138kW
Impulse Withstand (Uimp) :	8kV
Conditional S/C Current (Icc):	50kA
Short-Time Withstand (Icw):	10kA, 200ms
Form of Separation:	Form 3
Max. Cable Capacity :	95mm²
Cable Access :	Top & Btm Entry & Exit
IP Rating :	IP65 (Not weatherproof)
Height :	800mm
Width :	600mm
Depth :	300mm
Gross Weight :	111.6Kg



Applied Standards :

BS EN 60947-1	BS EN 61439-2
BS EN 60947-3	
BS EN 60947-5-1	
BS EN 60947-6-1	
BS EN 60529	Low Voltage Directive -
BS EN 61439-1	(EU) 2014/35

Issue 9.00 HM v2.1 : 22/04/2025