

Technical Data Sheet

Automatic Transfer Switches (ATS) with isolation

CDPD24
Issue 4

General Introduction

Automatic Transfer Switches (ATS) are essential wherever power has to be maintained. Whether it's to ensure people's safety in a work or public space, or to maintain supplies to a vital process. The fast and efficient transfer of power is automatically managed by the ATS system. The standby source of power can either be from a generator or from an alternative mains supply.

This range utilises electromechanical contactors and two separate isolators are provided for isolation of both supplies.

A Deep Sea control module (DSE) is available as an alternative or in addition to the standard LED panel. This programmable device offers the user added advantages of a digital display, Modbus interfacing, additional control functions and easy programming of parameters.



Contact us for more information.

Technical Features

- Electro-mechanical interlocked 4 pole AC1 rated contactor.
- 3x Volt free contacts for BMS or remote generator start (N/O & N/C).
- Supply available status indication.
- Incoming supply adjustable Undervoltage and Time delay relays for setting individual supply parameters.
- Changeover time adjustable to 50m/s.
- IP65 Steel Enclosure.
- Removable Top and Bottom Gland Plates.
- All metal locks supplied with one key per enclosure.
- Incoming isolation (2 x isolators).
- Form 4 type 2 separation.
- Easy access terminals for incoming and outgoing supplies.
- Paint finish – Polyester Powder Coat, Light Grey RAL7035.

Options:

- DSE controller.
- Stainless Steel Enclosures.
- Mimic panels.
- Anti-condensation heaters.
- Auxiliary power supply for generator battery charging or jacket water heater.

Applied standards: BS EN / IEC 60947-4-1 | BS EN / IEC 60947-6-1
BS EN / IEC 60947-3 | BS EN / IEC 61439-2

Catalogue Numbers

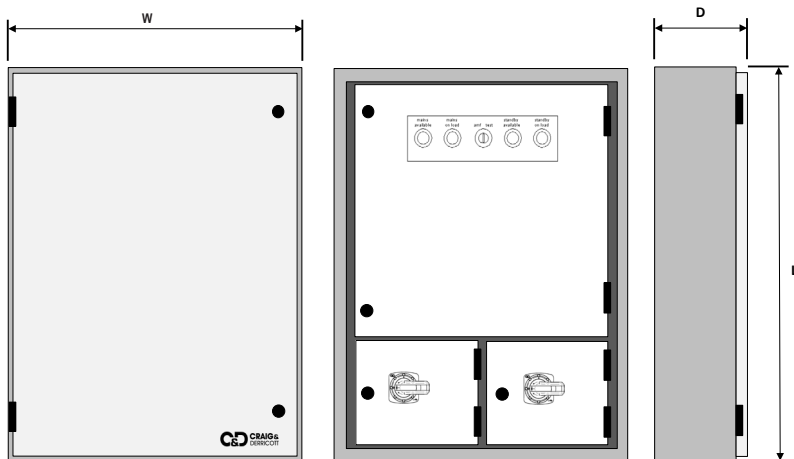
Rating	Single Phase Cat No.	Three Phase Cat No.	Encl. Size
32A	ATSSD0322	ATSSD0324	1A
45A	ATSSD0452	ATSSD0454	1A
63A	ATSSD0632	ATSSD0634	1A
100A	ATSSD1002	ATSSD1004	1B
125A	ATSSD1252	ATSSD1254	1B
160A	ATSSD1602	ATSSD1604	1B
200A	ATSSD2002	ATSSD2004	1C
250A	ATSSD2502	ATSSD2504	1C
300A	ATSSD3002	ATSSD3004	1D
350A	ATSSD3502	ATSSD3504	1D
400A	ATSSD4002	ATSSD4004	1D
650A	ATSSD6502	ATSSD6504	1E
800A	ATSSD8002	ATSSD8004	1E

Other ratings are available on request.

For DSE option, add suffix 'DSE' to catalogue no
E.g. ATSSD0322/DSE

For Stainless Steel enclosure, add suffix 'SS' to catalogue no
E.g. ATSSD0322/SS

Dimensions



Enclosure	Dimensions (mm)		
	H	W	D
1A	600	600	300
1B	1000	800	300
1C	1400	1000	300
1D	1600	800	300
1E	1800	1000	500