

Automatic Transfer Switches (ATS) with Single Line Bypass

CDPD45
Issue 4

General Description

The Single Line Bypass Three Phase Automatic Transfer Switch (ATS) units are supplied in a mild steel IP65 painted enclosure (RAL7035).

The Single Line bypass function isolates the ATS by bypassing the incoming duty supply directly to the outgoing load, enabling essential maintenance in keeping with life safety recommendations in accordance with BS8519:2010. The key advantage is that the supply to the load is maintained whilst service and repairs can be carried out on the ATS unit. A separate LED indicator is provided to show when the unit is in the bypass mode.

A Deep Sea control module (DSE) is available as an alternative or in addition to the standard LED panel. This unit is developed to monitor the voltage and frequency of an incoming AC supply from two different sources. This programmable device offers the user added advantages of a digital display, Modbus interfacing, additional control functions and easy programming of parameters. Contact our sales team for more information.



Technical Features

- 2 Position key switch for Auto and Test.
- Adjustable under-voltage and Time delays.
- 2P and 4P configurations.
- Changeover time adjustable to 50m/s.
- Removable Top and Bottom Gland plates.
- Locks supplied with one key per enclosure.
- Easy access terminals for incoming and outgoing supplies.
- IP2X internal panel.
- 3 x Volt free changeover contacts (COM, N/O & N/C).
- Supply availability/on load LED indication panel for visual representation of supply status.
- Mechanically and electronically interlocked 4 Pole AC1 rated contactors.

Options:

- DSE controller with facility for MODBUS interfacing
- Stainless Steel Enclosures
- Mimic panels
- Anti-condensation heaters
- Auxiliary power supply for Generator battery charging or jacket water heater.

Applied standards:

BSEN / IEC 60947-4-1, BSEN / IEC 60947-6-1, BSEN / IEC 60947-3, BSEN / IEC 61439-2

Catalogue Numbers

Rating	Single Phase Cat. No.	Three Phase Cat. No.	Encl. size
32A	ATS0322SL	ATS0324SL	A
45A	ATS0452SL	ATS0454SL	A
63A	ATS0632SL	ATS0634SL	B
100A	ATS1002SL	ATS1004SL	B
125A	ATS1252SL	ATS1254SL	B
160A	ATS1602SL	ATS1604SL	C
250A	ATS2502SL	ATS2504SL	D
400A	ATS4002SL	ATS4004SL	E

Other ratings are available on request.

For DSE option, add suffix 'DSE' to catalogue no
E.g. ATS1004SLDSE

Stainless steel enclosures are available on request, add suffix "SS" to the catalogue no. E.g. ATS1004SLSS

To add an Anti-Condensation heater & breather plug, add suffix "HTR" to the catalogue no. E.g. ATS1004SLHTR

To add Terminals for easy connection of mimic panel, add suffix "MC" to the catalogue no. E.g. ATS1004SLMC

Dimensions

	H	W	D
A	600	400	300
B	800	600	300
C	1000	800	300
D	1200	800	400
E	1400	1000	300

