



549636C

QUICK START **EN** **800 A - 3200 A**

ATyS d

Motorised Source Changeover Switch

Preliminary operations

Check the following upon delivery and after removal of the packaging:

- Packaging and contents are in good condition.
- The product reference corresponds to the order.
- Contents should include:
Qty 1 x ATyS d
Qty 1 x Emergency handle and fixing clip
Quick Start instruction sheet

Warning

⚠ Risk of electrocution, burns or injury to persons and / or damage to equipment.
This Quick Start is intended for personnel trained in the installation and commissioning of this product. For further details refer to the product instruction manual available on the SOCOMEC website.

- This product must always be installed and commissioned by qualified and approved personnel.
- Maintenance and servicing operations should be performed by trained and authorised personnel.
- Do not handle any control or power cables connected to the product when voltage may be, or may become present on the product, directly through the mains or indirectly through external circuits.
- Always use an appropriate voltage detection device to confirm the absence of voltage.
- Ensure that no metal objects are allowed to fall in the cabinet (risk of electrical arcing).

- For 800 - 3200 A (Uimp = 12 kV). Terminations must respect a minimum of 14 mm clearance from live parts to parts intended to be earthed and between poles.

Failure to observe good engineering practises as well as to follow these safety instructions may expose the user and others to serious injury or death.

⚠ Risk of damaging the device
In case the product is dropped or damaged in any way it is recommended to replace the complete product.

Accessories

- Bridging bars and connection kits.
- Control voltage transformer (400 VAC → 230 VAC).
- DC power supply (12/24 VDC → 230 VAC).
- Phase barriers.
- Terminal shrouds.
- Terminal screens.
- Auxiliary contacts (Additional).
- Padlocking in 3 positions (I - 0 - II).
- Lockout accessories (RONIS - EL 11 AP).
- Door escutcheon frame.
- ATS controller ATyS C25.
- ATS controller ATyS C55 or C65.
- ATyS D10 Interface (remote display).
- RJ45 cable for ATyS D10.

For further details refer to the product instruction manual under chapter "Spares and Accessories".



www.socomec.com
To download, brochures, catalogues and technical manuals:
https://www.socomec.com/operating-instructions_en.html

Installation and Commissioning

STEP 1
Cabinet / Back Plate
Installation

STEP 2
Connecting the
POWER section

STEP 3
COMMAND /
CONTROL terminal
connections

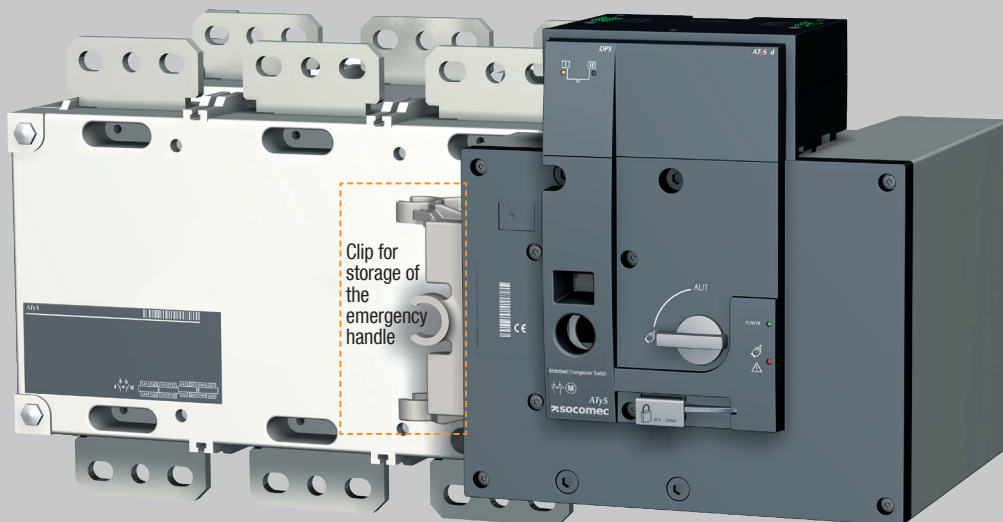
STEP 4
Power SUPPLY
terminal
connections

STEP 5
CHECK

STEP 6A
Control by an external
order (AUTO)

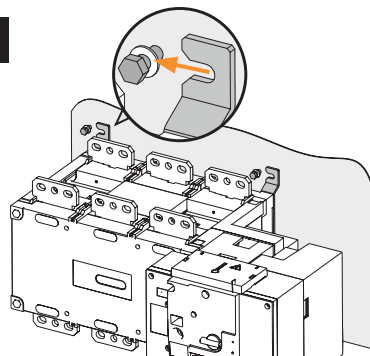
STEP 6B
Emergency Manual
Operation

STEP 6C
Padlocking



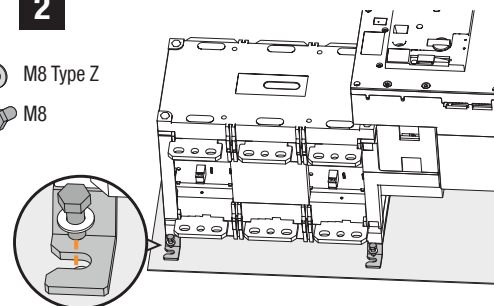
STEP 1 Installation

1

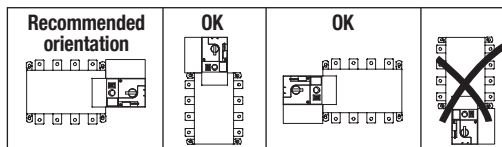


2

⊙ M8 Type Z
● M8



⚠ Caution: ensure that the product is installed on a flat rigid surface.



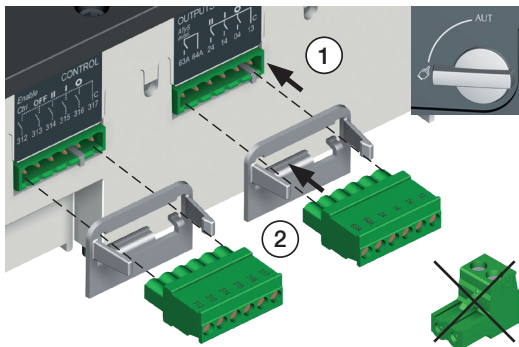
STEP 2 Power Terminal Connections

To be connected using terminal lugs, rigid or flexible busbars.

	FRAME B6			FRAME B7		FRAME B8	
	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A
Minimum cable section Cu (mm²)	2x185	-	-	-	-	-	-
Recommended cable section Cu (mm²)	2x50x5	2x63x5	2x63x7	2x100x5	3x100x5	2x100x10	3x100x10
Maximum Cu cable cross-section (mm²)	4x185	4x185	4x185	6x185	-	-	-
Maximum Cu busbar width (mm)	63	63	63	100	100	100	100
Type of screw	M8	M8	M10	M12	M12	M12	M12
Recommended tightening torque (lb.in/N.m)	73.46/8.3	73.46/8.3	177.02/20	354.04/40	354.04/40	354.04/40	354.04/40
Maximum tightening torque (lb.in/N.m)	115.06/13	115.06/13	230.13/26	398.30/45	398.30/45	398.30/45	398.30/45

STEP 3 CONTROL / COMMAND Terminals

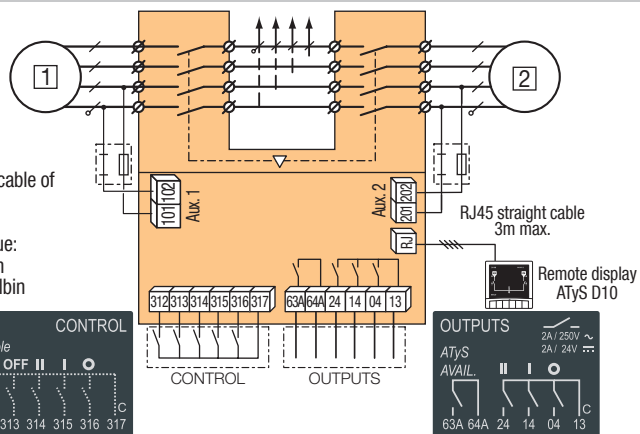
Ensure that the product is in Manual Mode.



ATyS Voltage Sensing and Power supply Kit excludes the need for fuses F1 & F2.

Connect the product with a cable of section of 1,5 to 2,5 mm².

Screw M3 - Tightening torque:
min.: 0.5 Nm - max.: 0.6 Nm
min.: 4.43 lbin - max.: 5.31 lbin



STEP 4 Dual Power Supply Terminals

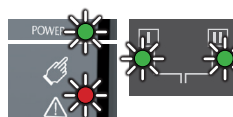


STEP 5 Check

Whilst in manual mode, check the wiring and if ok power up the product.

LED "Power" Green: ON
LED "Source" Green: ON (I / II or I II)

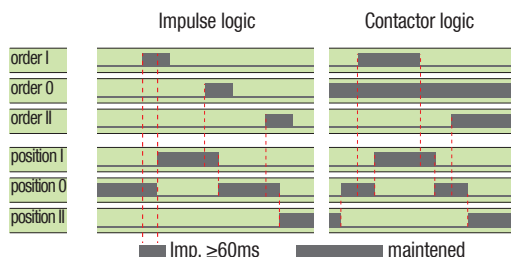
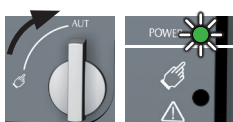
LED Manuel/Default Red (Product not Available): ON



STEP 6A Automatic Operation

Ensure that the emergency handle is not inserted in the product and turn the mode selector to the AUT position.

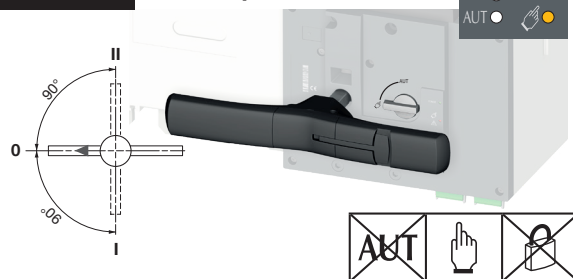
LED "Power" Green: ON
LED Manuel/Default: OFF



To enable control, close contact 312 with 317.
To force the product to 0 position/OFF bridge the contact 313 with 317. For contactor logic bridge contact 316 with 317. To operate: close the contact corresponding to the desired position.



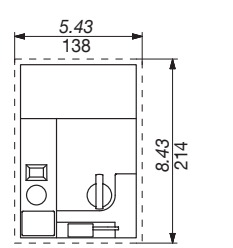
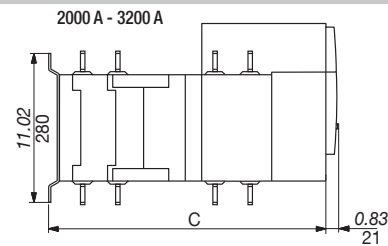
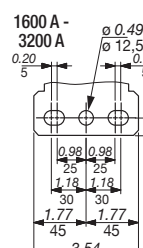
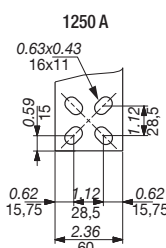
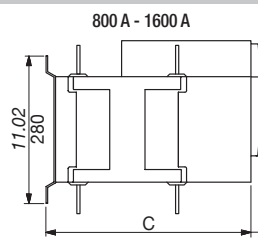
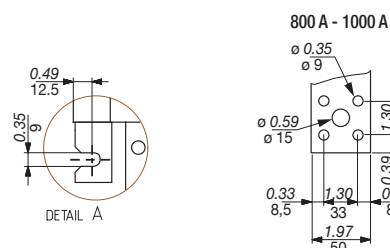
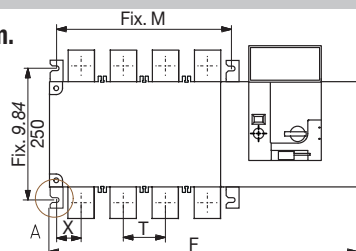
STEP 6B Manual Operation



STEP 6C Padlocking Mode (as standard : in position 0)



Dimensions in./mm.



	800 A				1000 A				1250 A				1600 A				2000 A				2500 A				3200 A			
	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P	3 P	4 P
C	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391	15.39	391
F	19.84	504	22.99	584	19.84	504	22.99	584	19.84	504	22.99	584	23.46	596	28.19	716	23.46	596	28.19	716	23.46	596	28.19	716	23.46	596	28.19	716
M	10.04	255	13.19	335	10.04	255	13.19	335	10.04	255	13.19	335	13.66	347	18.39	467	13.66	347	18.39	467	13.66	347	18.39	467	13.66	347	18.39	467
T	3.15	80	3.15	80	3.15	80	3.15	80	3.15	80	3.15	80	4.72	120	4.72	120	4.72	120	4.72	120	4.72	120	4.72	120	4.72	120	4.72	120
X	1.87	47.5	1.87	47.5	1.87	47.5	1.87	47.5	1.87	47.5	1.87	47.5	2.09	53	2.09	53	2.11	53.5	2.11	53.5	2.11	53.5	2.11	53.5	2.11	53.5	2.11	53.5