

ATyS t M

Automatic
Transfer Switching Equipment

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 M
 - Qty 1 x Emergency handle extension rod
 - Qty 1 x Set of terminals
 - 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).

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 125A or 160A.
- Control voltage transformer (400Vac -> 230Vac).
- Voltage sensing and power supply tap.
- Terminal shrouds.
- Auxiliary contact blocks.
- Polycarbonate enclosure.
- Polycarbonate extension box.
- Power Connection Terminals.
- Sealable cover.



www.socomec.com
www.socomec.com/en/atys-t-m
To download, brochures, catalogues and technical manuals.
Printing informations: 1 color Black. White paper 90g/m².
Printing size: 420x297. Final size 210x297. This page visible first.
A separate sheet for each language.

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Installation and Commissioning

STEP 1
Cabinet / Back
Plate Installation

STEP 2
Connecting the
POWER section

STEP 3
CONTROL /
AUX POWER
terminal
connections

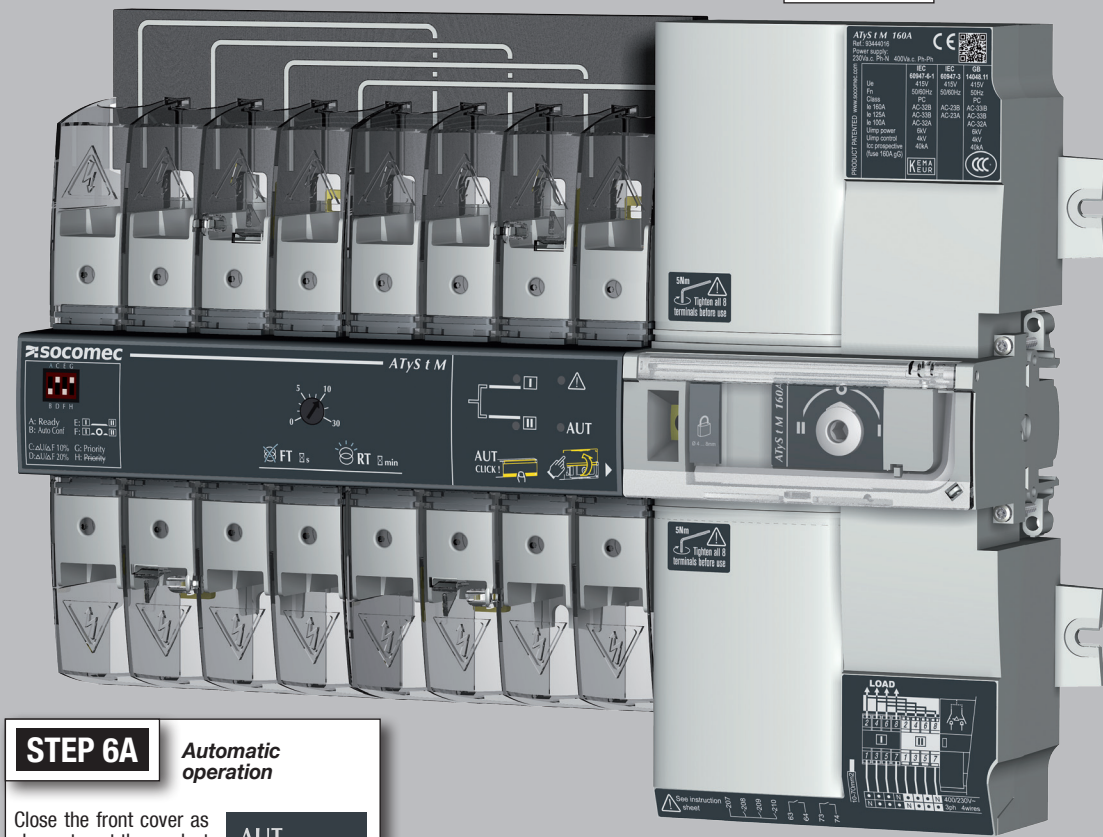
STEP 4
CHECK

STEP 5
Programming

STEP 6A
Automatic Operation

STEP 6B
Emergency Manual
Operation

STEP 6C
Padlocking



STEP 6A

Automatic operation

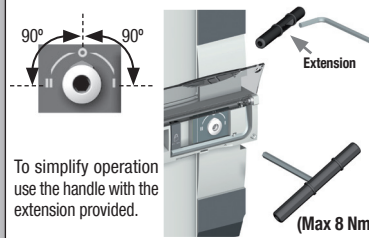
Close the front cover as shown to put the product into automatic mode.



STEP 6B

Manual operation

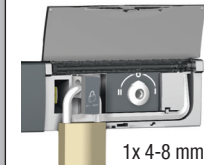
- Open the front cover as shown to put into manual mode.
- Use the handle situated in the front panel under the cover to operate the transfer switch.
- Check the changeover switch position on the indicator before operating.



STEP 6C

Padlocking mode

- In order to padlock put the product in manual mode.
- Pull the locking mechanism and insert a padlock as shown.
- As standard padlocking in the 0 position. Configurable to I-0-II (see step 1).



STEP 4

Check

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



STEP 5

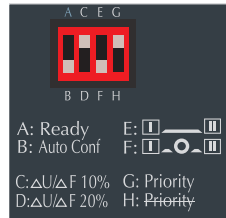
Programming

- Auto conf. of the network voltage and frequency.

Setting mode A-B

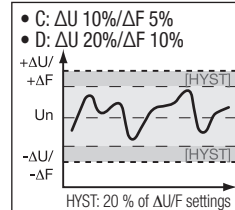
- A: Ready
- B: Auto Conf (Auto-configuration)

1. Put dipswitch A-B to position B. (All LED's should be blinking).
2. When the LED's become a steady light ON, configuration of the network is ready.
3. Put dipswitch A-B back to A.



- Set dip switches C-D, E-F, G-H

Thresholds C-D



Stop in 0 position E-F

- E: No stop in 0 position
- F: 2s stop in 0 position

Priority G-H

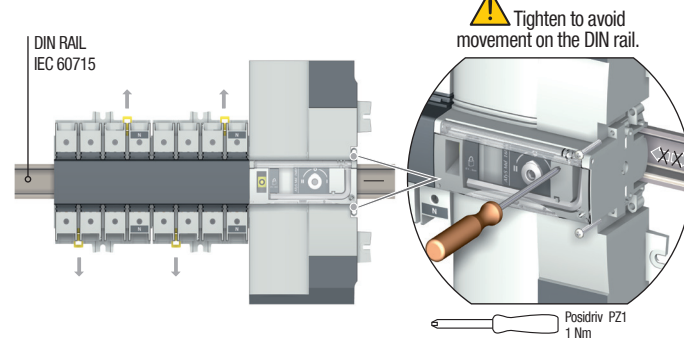
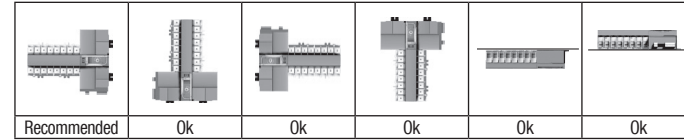
- G: With priority
- H: Without priority

STEP 1

Installation

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

Recommended orientation



STEP 2

Power Terminal Connections

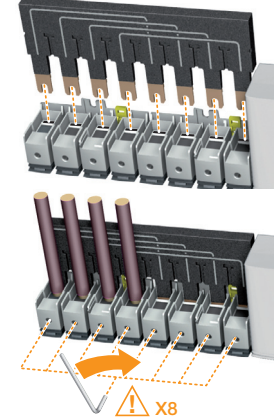
⚠ It is essential to tighten all used terminals, with cables and/or bridging bars, before use.



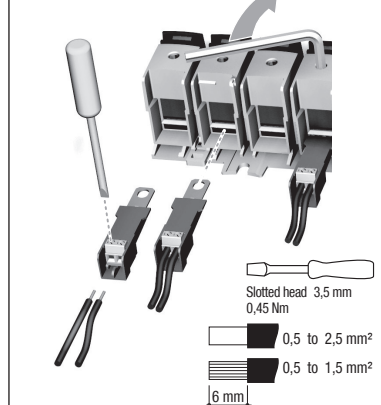
Source supply side

Load side
bridging bar.
125A: 1309 4006
160A: 1309 4016

Hexagonal Metric
Allen size 4
5,0 Nm

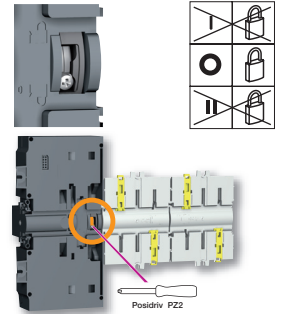


Voltage taps provide $2x \leq 1.5mm^2$ connections. They can be fitted in any terminals on the source supply side. Do not use on the load side when equipped with a bridging bar.

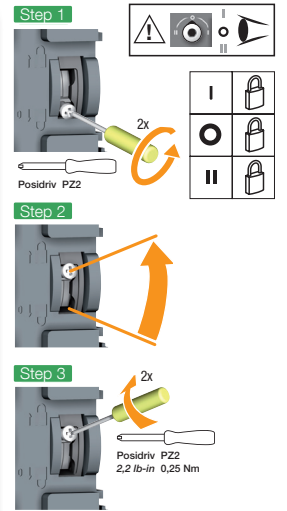


Padlocking configuration

⚠ The ATyS M is delivered with padlocking configured to the 0 position.

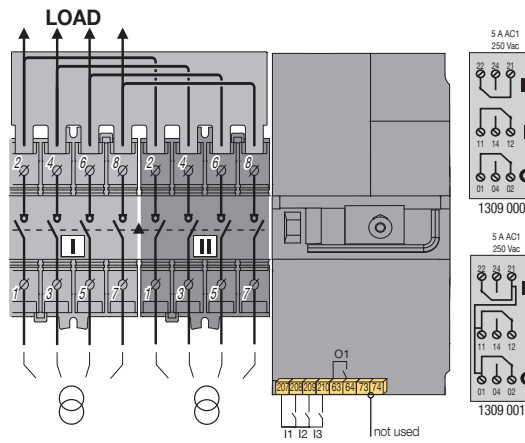


⚠ To allow padlocking in all positions (I - 0 - II), configure the ATyS M as follows before installation. (Screw is located at the back of the product).



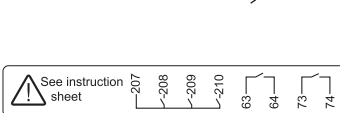
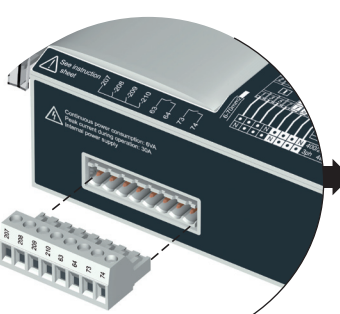
STEP 3

CONTROL / AUX POWER Terminals and wiring



Type	Terminal no.	Description	Characteristics	Recommended connection cross-section
Inputs	207	Common	Dry potential free contact	0,5 to 2,5 mm ² (rigid) 0,5 to 1,5mm ² (stranded)
	208	Position 0 order		
	209	Open SI priority. Closed S2 priority.		
	210	Inhibition ATS		
Outputs	63/64	Open: SI and S2 NOT available. Closed: SI or S2 available	Resistive load 2A 30 Vdc 0.5A 230Vac Pmax: 60W or 125VA Umax: 30Vdc or 230Vac	
	73/74	Not used		
Auxiliary contacts unit.	11/12/14	Position I	Dry potential free contact 250Vac 5A AC1 24Vdc 2A	
	21/22/24	Position II		
	01/02/04	Position 0		

Ensure that the product is in Manual Mode (front cover open).



Auxiliary contacts: Fitting of auxiliary contacts: 1309 0001 or 1309 0011
To fit an AC, the switch must first be put in position 0. An auxiliary contact module comprises: one NO/NC changeover contact for each position (I-0-II). To install use the long screws supplied with the module.

