

# ATyS d M

Remotely operated  
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

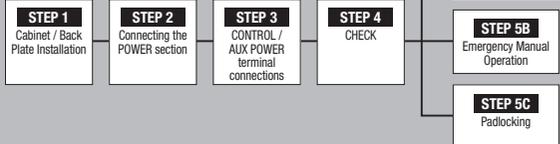
- Bridging bars and 125A or 160A.
- Voltage sense and power supply TAP.
- Terminal shrouds.
- Additional aux contact block.
- Plastic enclosure.
- Dual Power Supply (DPS).
- Power Connection Terminals.
- ATS Control relay ATyS C30 + D10 or D20.
- ATS control relay ATyS C20.
- ATS control relay ATyS C40.



www.socomec.com  
www.socomec.com/en/atys-d-m  
To download, brochures, catalogues and technical manuals.  
Printing informations: 1 color Black. White paper 90g/m<sup>2</sup>.  
Printing size: 420x297. Final size 210x297. This page visible first.  
A separate sheet for each language.

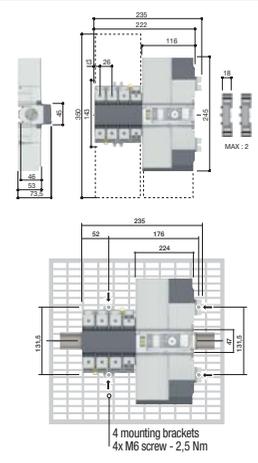
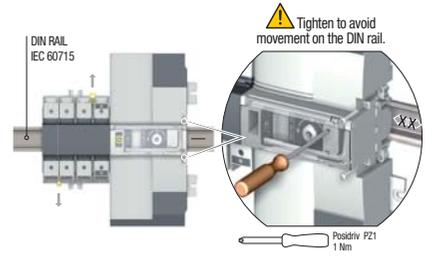
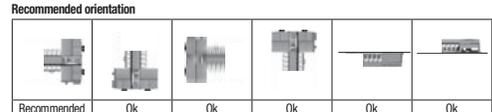


## Installation and Commissioning



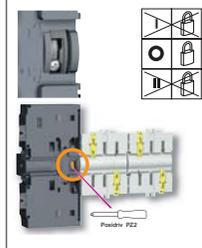
## STEP 1 Installation

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



## Padlocking configuration

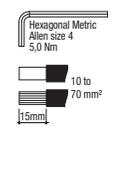
⚠ The ATyS M is delivered with padlocking configured to the 0 position.



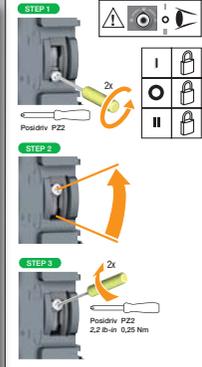
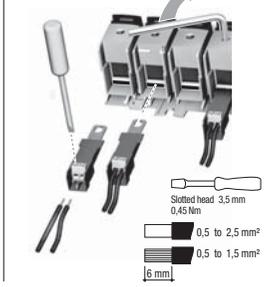
## STEP 2 Power Terminal Connections

⚠ It is essential to tighten all terminals including those not being used.

Load side bridging bar.  
125A: 1309 2006  
160A: 1309 2016

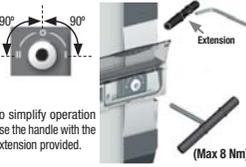


Voltage taps provide 2x ≤ 1.5mm<sup>2</sup> connections. They can be fitted in any terminals on the source supply side. Do not use on the load side when equipped with a bridging bar.

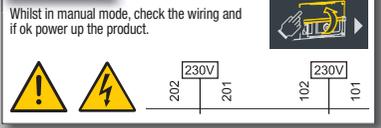


## STEP 5B Manual operation

- 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.

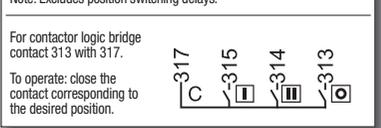
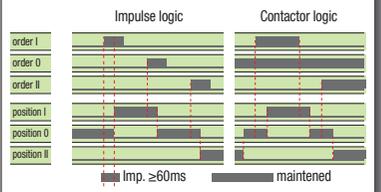


## STEP 4 Check



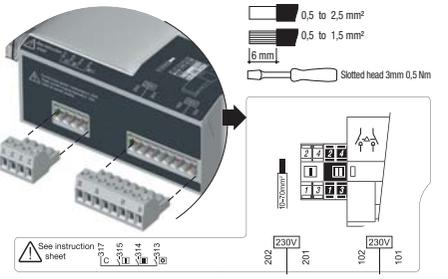
## STEP 5A Automatic operation

Close the front cover as shown to put the product into automatic mode. The product is now ready to receive order inputs based on the following logic.

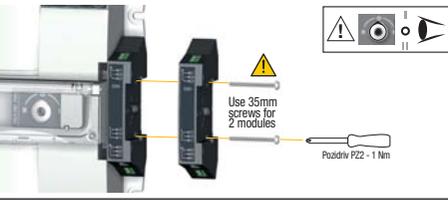


## STEP 3 CONTROL / AUX POWER Terminals and wiring

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

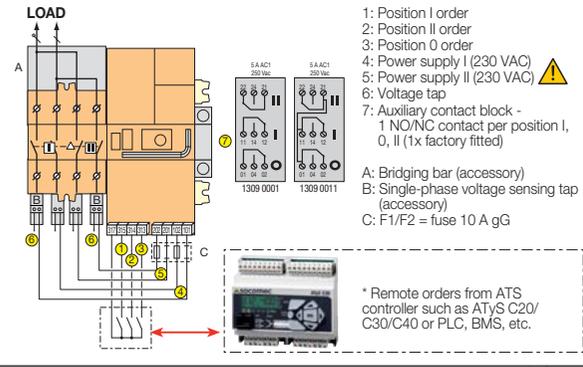


**Auxiliary contacts:** One module factory fitted (1309 0001). Fitting of the 2nd AC: 1309 0001 or 1309 0011. To fit an AC, the switch must first be put in position 0. An auxiliary contact module comprises: one NO/NC changeover contact for each position (I-O-II). To install use the long screws supplied with the module.



Type	Terminal no.	Description	Characteristics	Recommended connection cross-section
Inputs	101/102	Source 1 power supply	220Vac -20% (176Vac) to 240Vac +20% (288Vac) 45 to 65Hz	0,5 to 2,5 mm <sup>2</sup> (rigid) 0,5 to 1,5mm <sup>2</sup> (stranded)
	201/202	Source 2 power supply		
	313	Position 0 order if closed with 317. Also allows control logic selection: contactor (always closed) / impulse (close to switch)	Do not connect to any power supply	
	314	Position II order if closed with 317		
Auxiliary contacts unit.	315	Position I order if closed with 317	Dry potential free contact 250Vac 5A AC1 24Vdc 2A	
	317	Common control terminal for 313 to 315		
	11/12/14	Position I		
	21/22/24	Position II		
	01/02/04	Position 0		

⚠ Control of position I and II have priority on control of position 0.



- 1: Position I order
- 2: Position II order
- 3: Position 0 order
- 4: Power supply I (230 VAC)
- 5: Power supply II (230 VAC)
- 6: Voltage tap
- 7: Auxiliary contact block - 1 NO/NC contact per position I, 0, II (1x factory fitted)

\* Remote orders from ATS controller such as ATyS C20/ C30/C40 or PLC, BMS, etc.