

ATyS M

Modular Transfer Switching Equipment
from 40 to 160 A



your energy
our expertise

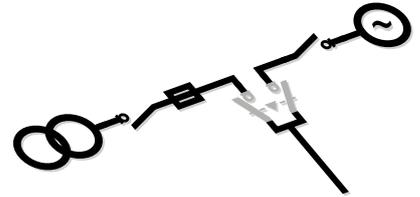


 **socomec**
Innovative Power Solutions

ATyS M

The source transfer solution that combines safety and performance

Socomec transfer switching equipment helps you to secure your power supply by safely transferring from an unstable or lost normal source to an alternate supply. Their fast transfer guarantees a reduced blackout time together with its associated costs. The integration of power switching and controls in one unique product allows combining high performance with ease of installation.



ATYS 273 B

A complete range of transfer switching equipment from 40 to 160 A suitable for virtually all your applications

ATyS d M
Remotely operated transfer switching equipment (RTSE)

Double power supply for use with external controllers

ATyS t M
Automatic transfer switching equipment (ATSE)

Integrated controller for use with Mains/Mains (transformers) applications

ATyS g M
Automatic transfer switching equipment (ATSE)

Integrated controller for use with Mains/Genset (standby generator) applications

ATyS p M
Automatic transfer switching equipment (ATSE)

Integrated controller for use with Mains/Genset & Mains/Mains applications
Programmable parameters, trip and communication

SOCOMECC, your best asset

European manufacturing group

- Created in 1922.
- A workforce of almost 3000.
- Located on all five continents.

A culture of independence

- Family shareholding.
- Control of the decision-making process.
- Respect for human values.

The spirit of innovation

- Almost 10 % of turnover is invested in R&D.

A flexible manufacturing structure

- Competitive production sites.
- Lean Management.
- Lead times, quality and cost guaranteed.

The vision of a specialist

- Expertise in core technologies.
- Customised solutions.

A focus on service

- Advice, technical assistance and call-out, training.
- Teams located across the globe.



Advantages



Fully integrated solution

- An all-in-one solution, ready for use and with minimum to no risk of incorrect mounting or wiring.
- Conforms to IEC 60947-6-1, the standard governing transfer switching equipment and therefore a guarantee of reliability.
- Easy ordering: a single part number for the complete solution.



ATYS GM 001 B



ATYS-PM 001 B



Maximum safety

- Mechanical and electrical dual inter-locking for maximum safety of your installation.
- A manual operating handle included as standard for an easy and intuitive emergency manual operation in all situations.
- Positive break indication with two mechanical switch position indicators for clear and secure use.
- Padlocking in the 0 position enables a lockout function available on each product.
- Padlocking may be configured to any position: I, 0 or II prior to installation.
- Product availability is assured through the watchdog relay that constantly monitors the products operating condition. (ATYS g M and ATYS p M).



ATYSM 309 A



High levels of performance

- On-load making and breaking in one single product for most types of load, including inductive (AC 33).
- Immunity to control voltage fluctuations thanks to stable positions and power supply only required during switching.
- Excellent dynamic withstand for improved safety when closing on a short-circuit.
- Extremely low electrical blackout time (ATYS d M < 90ms) guaranteed thanks to the electromagnetic actuator technology used with rotary self-cleaning contacts.



ATYSM 307 A



ATYSM 308 A



Easy to install

- Two switching devices mounted side by side for easy access to cabling with installation in a standard 18 module enclosure (a product with a very low depth).
- Quick and easy mounting on a DIN rail or mounting plate.
- Simplified wiring thanks to the cage terminals and dedicated bridging bar that allows to create a common outgoing connection whilst retaining the cage terminal connections.



ATYSM 314 A - COFF 306 B

Integrated ATS Controller types

For quick commissioning and simplified settings : ATYS t M and ATYS g M

- Programming via potentiometers and dip switches using just a screwdriver.
- Secure programming provided by sealable cover preventing access to the configuration panel.



ATYSM 312 A

For optimum programming and installation monitoring : ATYS p M

- Programmable inputs/outputs for easy management of specific applications (load shedding, tests, etc.).
- Fine-tuning of all parameters for an operating cycle perfectly adapted to your network.
- Return to 0 position without power supply (tripping) thereby protecting the load in case of an unstable power source.
- Access via Modbus communication to all product data (status, voltage, frequency, etc.).
- D10 remote panel displays the product's source availability and transfer status, whilst D20 also provides access to programming functions.
- EASYCONFIG software saves time to configure one or multiple products whilst offering the possibility to view and save all setting parameters.



ATYSM 311 A



ATYS 565 E

Selection guide

	ATyS <i>d M</i>	ATyS <i>t M</i>	ATyS <i>g M</i>	ATyS <i>p M</i>
Type of transfer				
Emergency manual transfer via handle	•	•	•	•
Remote operation (RTSE) (With external controller)	•			
Automatic (ATSE) (With integrated controller)		•	•	•
Number of poles	2/4P	4P	2/4P	4P
Application				
Genset - Genset	•*			
Mains - Mains	•*	•	•	•
Mains - Genset	•*		•	•
Inputs / outputs				
Fixed inputs / outputs	•	•	•	
Configurable inputs / outputs (Example : watchdog, load shedding, etc.)				•
Automatic control configuration				
Potentiometers and dip switches		•	•	
LCD display				•
Specific functions for gensets				
Test on load			•	•
Test off load				•
Options				
Return to the 0 position without power				•
Remote display panel (D10/D20)				•
Modbus communication				•
EASYCONFIG configuration software				•

* with an external controller.

Other TSE in the ATYS range

ATYS S, ATYS d S

Remote transfer switching equipment rated from 40 to 125 A specifically designed for generating sets up to 90 kVA.

The ATYS S range provides a wide band AC and DC control voltage to suit most genset requirements (12 VDC, 24/48 VDC and 230 VAC +/-30%).



ATYS S 018 A

ATYS r, d, t, g, p

Remote and automatic transfer switching equipment rated from 125 to 3200 A.

This range includes a variety of features, functions and accessories dedicated to your specific application requirements.



ATYS F 01 B

References

Type

- 23: ATYS d M
- 44: ATYS t M
- 53: ATYS g M (2P)
- 54: ATYS g M (4P)
- 64: ATYS p M
- 84: ATYS p M + COM

Number of poles

- 2: 2 poles
- 4: 4 poles

93 23 4 004

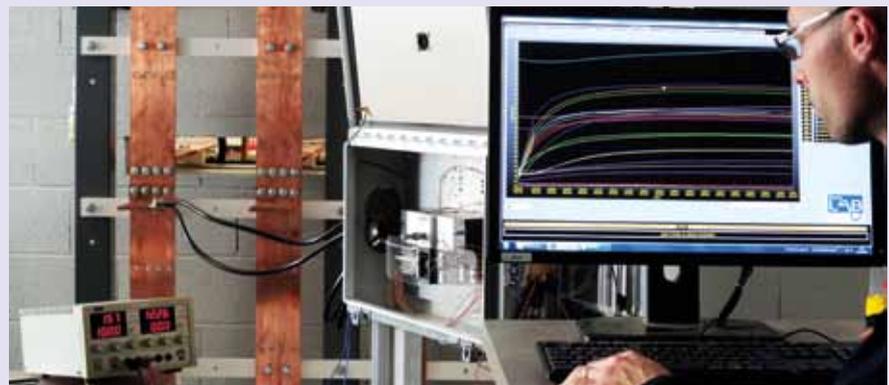
Rating

- 004: 40 A
- 006: 63 A
- 008: 80 A
- 010: 100 A
- 012: 120 A
- 016: 160 A

ATYS 315 B GB

One of the most modern power testing laboratories in Europe

Tesla Lab - Power Testing and Certification has guaranteed the reliability and compliance of Socomec products since 1965. Accredited by COFRAC, UL (CTDP), CSA and DEKRA (WMT), it also works in partnership with certification organisations such as ASEFA and LOVAG to ensure that the safety and quality requirements in specific countries are addressed fully.



COFRAC 441 A

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