



ATyS M

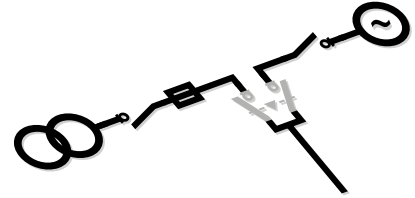
Modular Transfer Switching Equipment
from 40 to 160 A



ATyS M

The source changeover 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



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



ATyS t M

Automatic transfer switching equipment (ATSE)

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-MG_001_LB



ATYS-MP_001_LB



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).

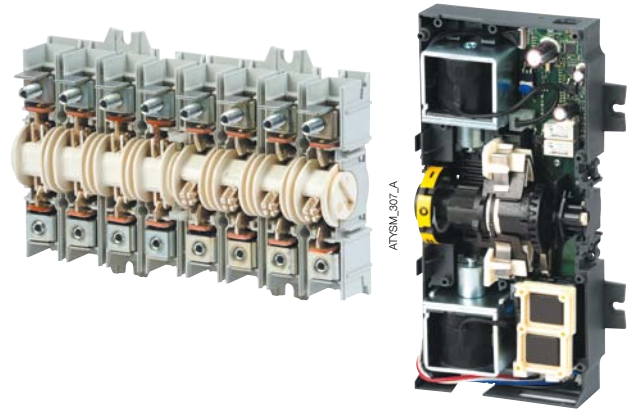


ATYSM_309_A



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_309_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_396LB

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 changeover 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_585_E

Selection guide

	ATyS d M	ATyS t M	ATyS g M	ATyS p M
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

References

Type

23: ATYS d M
44: ATYS t M
54: ATYS g M
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

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_001_B

The 5th largest power testing laboratory in Europe

Since its creation in 1965, the Pierre Siat test laboratory has used its expertise to guarantee the reliability and compliance of SOCOMEC products and solutions.

- 2nd largest power testing laboratory in France.
- Fully independent.
- Member of UL, CSA and KEMA.
- Partner of many international certifying bodies (CEBEC, ASTA, Lloyd, bureau Veritas, GOST-R, etc.).
- Facilities include a 100 MVA short-circuit test platform (Icc 100 kA rms 1s).
- Three 10 kA overload test platforms.
- Testing facilities housed in dedicated 1500 m² premises.
- Expertise in electrical, mechanical, pneumatic and IT fields.



Socomec worldwide

IN EUROPE

BELGIUM

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power Power

Tel. +32 2 340 02 30
Fax +32 2 346 28 99
info.be@socomec.com

FRANCE

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +33 1 45 14 63 00
Fax +33 1 48 67 31 12
dcm.ups.fr@socomec.com

GERMANY

Critical Power

Tel. +49 621 71 68 40
Fax +49 621 71 68 444
info.ups.de@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +49 7243 65292 0
Fax +49 7243 65292 13
info.scp.de@socomec.com

ITALY

Critical Power

Tel. +39 02 98 242 942
Fax +39 02 98 240 723
info.ups.it@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +39 02 98 49 821
Fax +39 02 98 24 33 10
info.scp.it@socomec.com

Solar Power

Tel. +39 0444 598611
Fax +39 0444 598627
info.solar.it@socomec.com

NETHERLANDS

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +31 30 760 0900
Fax +31 30 637 2166
info.nl@socomec.com

POLAND

Critical Power

Tel. +48 22 825 73 60
Fax. +48 22 825 73 70
info.ups.pl@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +48 91 442 64 11
Fax +48 91 442 64 19
info.scp.pl@socomec.com

PORTUGAL

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +351 261 812 599
Fax +351 261 812 570
info.ups.pt@socomec.com

ROMANIA

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +40 21 319 36 88
Fax +40 21 319 36 89
info.ro@socomec.com

RUSSIA

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +7 495 775 19 85
Fax +7 495 775 19 85
info.ru@socomec.com

SLOVENIA

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +386 1 5807 860
Fax +386 1 561 11 73
info.si@socomec.com

SPAIN

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +34 93 540 75 75
Fax +34 93 540 75 76
info.es@socomec.com

TURKEY

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +90 216 540 71 20-21-22
Fax +90 216 540 71 27
info.tr@socomec.com

UNITED KINGDOM

Critical Power

Tel. +44 1285 863 300
Fax +44 1285 862 304
info.ups.uk@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +44 1462 440 033
Fax +44 1462 431 143
info.scp.uk@socomec.com

IN ASIA PACIFIC

AUSTRALIA

Critical Power / Power Control & Safety

Tel. +61 2 9325 3900
Fax +61 2 9888 9544
info.ups.au@socomec.com

CHINA

Critical Power / Power Control & Safety /
Energy Efficiency

Tel. +86 21 52 98 95 55
Fax +86 21 62 28 34 68
info.cn@socomec.com

INDIA

Critical Power / Solar Power

Tel. +91 44 39215400
Fax +91 44 39215450 & 51
info.ups.in@socomec.com
info.solar.in@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +91 124 4027210
Fax +91 124 4562738
info.scp.in@socomec.com

SINGAPORE

Critical Power / Power Control & Safety /
Energy Efficiency

Tel. +65 6506 7600
Fax +65 64 58 7377
info.sg@socomec.com

THAILAND

Critical Power

Tel. +66 2 941 1644 7
Fax +66 2 941 1650
info.ups.th@socomec.com

VIETNAM

Critical Power

Tel. +84 8 3559 1220
Fax +84 8 3559 1221
info.ups.vn@socomec.com

IN MIDDLE EAST

UNITED ARAB EMIRATES

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +971 4 29 98 441
Fax +971 4 29 98 449
info.ae@socomec.com

IN AMERICA

USA, CANADA & MEXICO

Power Control & Safety / Energy Efficiency

Tel. +1 617 245 0447
Fax +1 617 245 0437
info.us@socomec.com

OTHER COUNTRIES

NORTH AFRICA

Algeria / Morocco / Tunisia
info.naf@socomec.com

AFRICA

Other countries
info.africa@socomec.com

SOUTH EUROPE

Cyprus / Greece / Israel / Malta
info.se@socomec.com

SOUTH AMERICA

Tel. +34 93 540 75 75
info.es@socomec.com

MORE DETAILS

www.socomec.com/worldwide

HEAD OFFICE

SOCOMECS GROUP

SAS SOCOMECS capital 10 816 800€
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex - FRANCE
Tel. +33 3 88 57 41 41
Fax +33 3 88 74 08 00
info.scp.isd@socomec.com

www.socomec.com

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