



ATyS

Motorised and automatic transfer switches from 125 to 3200 A



your energy
our expertise



socomec
Innovative Power Solutions

A totally safe transfer, whatever the application

The design of the products in the ATYS family, based on proven load break switch technology, guarantees both the continuity of the power supply and the safety of operators. Its stable positions allow energy consumption to be minimised whilst ensuring maximum immunity to electrical network disturbances, making this a truly robust and reliable solution.



Ensures availability of the electrical power supply under all circumstances

The functions and design of the ATYS product range all work towards one key objective: ensuring the supply of loads downstream, via **rapid transfer** from one source to another. These products have three operating modes, which increase the ability to select the most reliable source **under all circumstances**.

The products only require a power supply when changing position, which increases their reliability and service life.

Simplicity ensures safety

Thanks to their on-load switching capacity, coupled with their Auto and Manual operating modes, the ATYS **are simple to use** and **100% secure**. The selection of the power supply source to the load can be achieved in three different ways:

- using the front operation handle (Manual mode),
- remotely, using the input for position control commands (Auto mode),
- automatically, depending on the availability of sources (Auto mode).

To ensure technical interventions downstream of the product are as secure as possible, ATYS have a **high-performance padlocking function** which is an efficient addition to the breaking functions.

To find out more...

Visit our website:

www.socomec.com/en/transfer

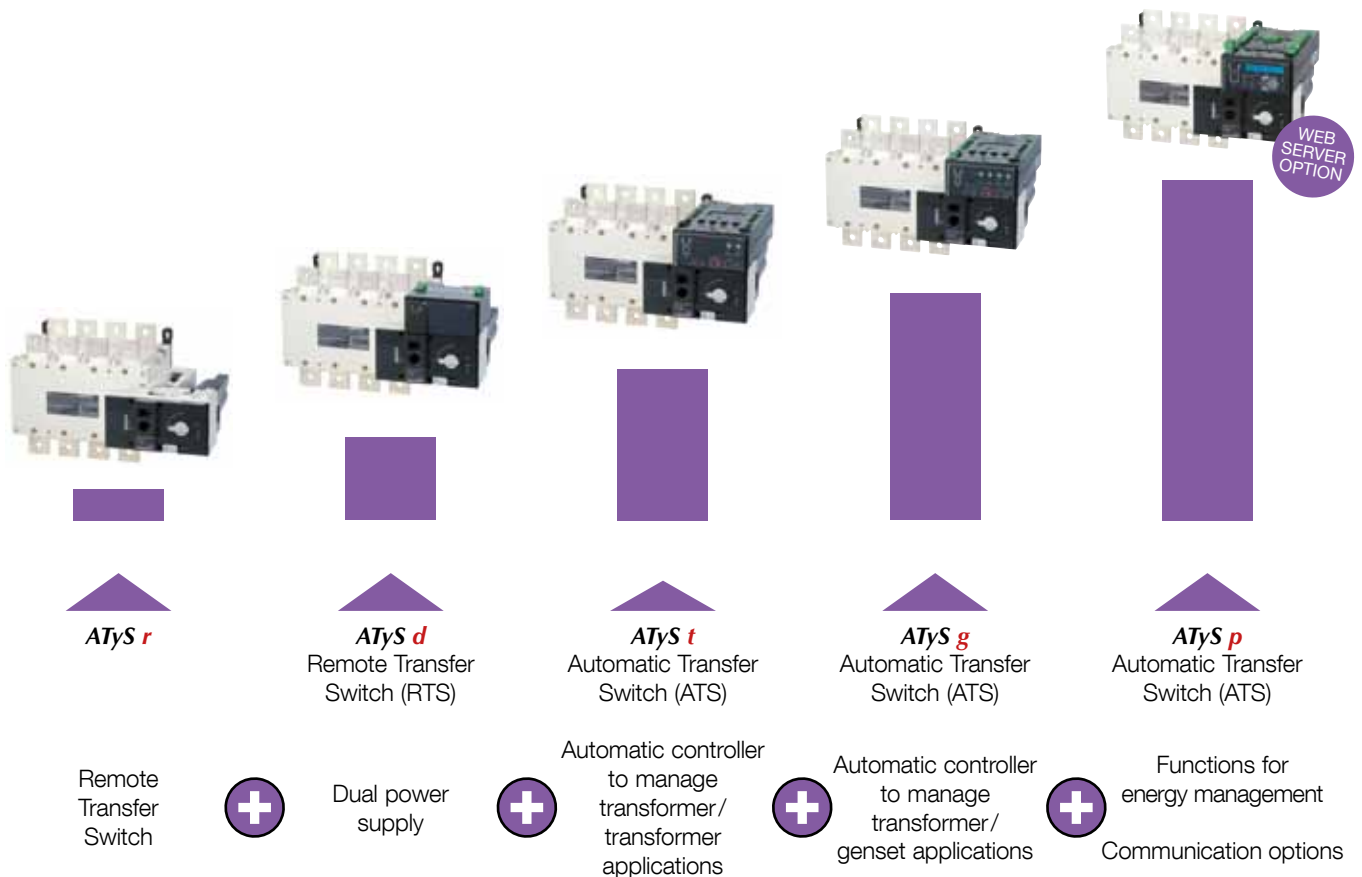


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ATyS family

A **complete range** of transfer switches, from 125 to 3200 A, adapted to all your applications

Five product versions are available, ensuring a solution suited to your application.



Automatic version (ATS) or motorised version (RTS)?



The ATYS t, ATYS g and ATYS p (ATS) versions differ from the ATYS and ATYS d in that they integrate an automatic controller.

This means that **the products themselves monitor the availability of sources, start the generators if necessary and automatically switch to the available source.**

Conversely, ATYS and ATYS d (RTS), require **an external controller** to provide them with switching commands.

Benefits of the *ATyS* range



Plug and play solution

Integrated auto-configuration

As standard, all automatic versions have the auto-configuration function which enables **automatic setting of the nominal voltages and frequencies** for the network. Simply cable the product, which will then measure the values and record them.

Quick installation

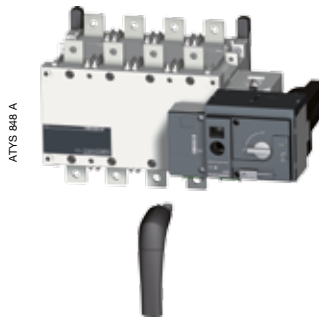
All ATYS products are factory assembled and require minimum cabling, thereby simplifying the installation and reducing the amount of time required to be operational.

For ATYS t and ATYS g, configuration adjustment is achieved via potentiometers, **requiring only a screwdriver and a few minutes.**



Manual emergency control

In the event of an emergency, it can be controlled **quickly, easily and safely** using an emergency handle. This handle is very easy to fit and no motorised or automatic transfer can take place when the handle is in place.



Continuous information on product availability

Products in the ATYS range are equipped with a Watchdog relay which **constantly monitors** your product, thereby securing your installation.

This relay informs you of the capacity of your product to switch correctly following an electrical or automatic order.



Robust products

All ATYS product versions are designed and tested in accordance with standard **IEC 60947-6-1**, the benchmark for transfer switches offering optimum design and operating features.

Improved performance

According to IEC 60947-6-1:

- AC 33-B up to 1250 A
- AC 32-B up to 2000 A
- AC 31-B up to 3200 A

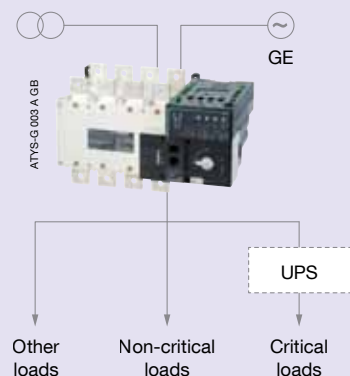


Specific genset functions



ATYS g and ATYS p can be utilised for switching between transformer and generator power supply sources. They have a genset run command and integrate **on load and off load test** functions. These functions ensure there is a good connection between the source transfer switch and the generator, and that these are both operating correctly.

The ATYS p also allows **scheduled starts** to be programmed for these different tests.



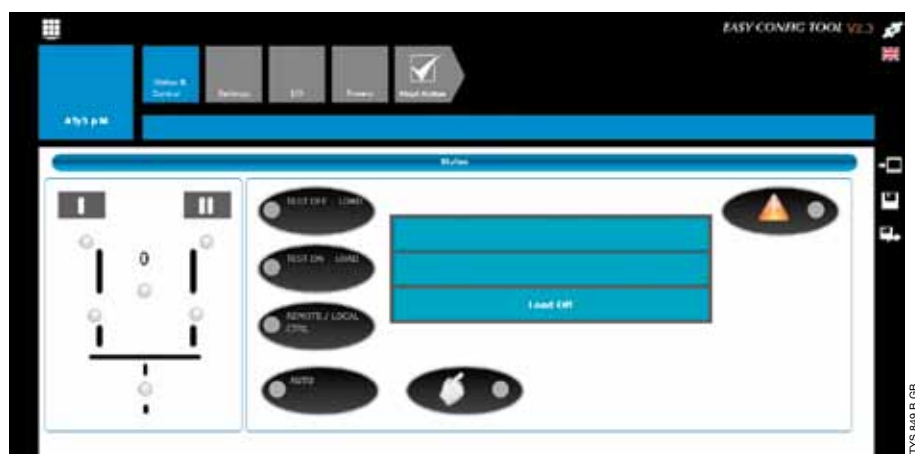
The benefits of **ATyS p**

Simple configuration software: Easyconfig

The **Easyconfig software** is ideal for reducing the time spent during complex configuration operations.

It allows the following parameters to be configured:

- type of application,
- voltage and frequency thresholds,
- timer values,
- inputs/outputs...



Communication options which make the difference: Modbus, Ethernet and Webserver

Thanks to optional modules, ATYS p communicate using **Modbus** and **Ethernet** protocols.

The Ethernet communication module also integrates the **Webserver** function, allowing the ATYS p to be accessed via a web browser.

The Webserver function enables:

- product status display (product position and source status),
- the display of voltage measurements,
- the display of configured parameters,
- access to the event log.



Additions to the range

ATYS S and ATYS d S Motorised transfer switches from 40 to 125 A

Specially developed for manufacturers of small generators, ATYS S and d S enable simultaneous breaking and switching between two power supply sources up to 125 A (< 90 kVA).



ATYS M modular transfer switches from 40 to 160 A

Four versions of ATYS M (remote-controlled and automatic) are available to meet the vast majority of your source switching application requirements.



Selection guide

Which type of transfer?

3 or 4 poles?

Which power supply?

Which application?

Supervision?

ATyS range: products fitted back-to-back

125 to 3200 A

				
ATyS <i>r</i>	ATyS <i>d</i>	ATyS <i>t</i>	ATyS <i>g</i>	ATyS <i>p</i>

Type of transfer

Emergency manual transfer via handle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remote controlled transfer using dry contact piloting (RTSE)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic transfer (ATSE)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Number of poles

3 P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4 P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Supply type

230 VAC single power supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
230 VAC dual power supply	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Connection of remote control interface

Remote display D10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote control interface D20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Automatic controller configuration

Configuration by potentiometers and dip switches	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Configuration by screen and keyboard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Auto-configuration of the voltage and frequency	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Application

Generator - Generator applications	<input checked="" type="checkbox"/> (1)	<input checked="" type="checkbox"/> (1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network - Generator application	<input checked="" type="checkbox"/> (1)	<input checked="" type="checkbox"/> (1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Network - Network application	<input checked="" type="checkbox"/> (1)	<input checked="" type="checkbox"/> (1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Automatic controller functionalities

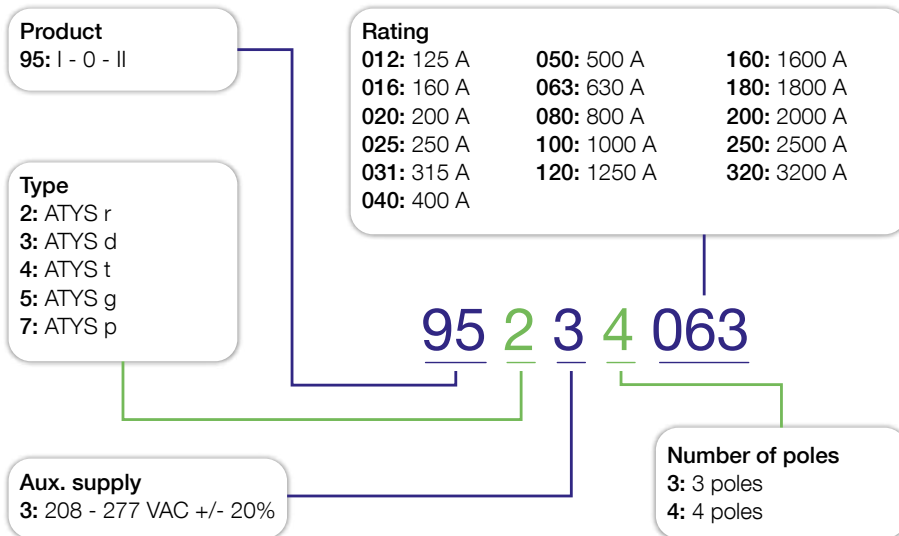
Contact for product availability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Control of voltages and frequency	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Control of phase rotation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Phase unbalance control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LED display of source availability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LED display of positions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
On-screen display of meters and voltage/frequency measurements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
On load and off load test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load shedding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Display and measurement of power and energies (with CT option)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Supervision (with optional module)

Scheduling of generator start-up	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RS485 communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ethernet communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Webserver via Ethernet module	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Data log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(1) using an external controller.

References for the ATYS range



Socomec, your best asset

Socomec is an industrial group specialising in the availability, control and safety of low voltage electrical energy which meets the requirements of the industry and the service sector.

Disconnection, breaking, control... Since 1922 Socomec has gained a wealth of experience in these fields. The back-to-back manual transfer switch, designed and manufactured by Socomec and

now available in a compact motorised version, has become the world reference in powerswitching.

Four key applications: the know-how of a specialist

Ensuring the availability and storage of high quality power.



Managing power and protecting persons and facilities.

Managing the energy performance of buildings.



Enabling available, safe and efficient energy.

**ENERGY
SPECIALIST**
SINCE 1922



Socomec worldwide

IN EUROPE

BELGIUM

Critical Power / Power Control & Safety /
Energy Efficiency 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

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

NETHERLANDS

Critical Power / Power Control & Safety /
Energy Efficiency

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

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

ROMANIA

Critical Power / Power Control & Safety /
Energy Efficiency

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

SLOVENIA

Critical Power / Power Control & Safety /
Energy Efficiency

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

SPAIN

Critical Power / Power Control & Safety /
Energy Efficiency

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

TURKEY

Critical Power / Power Control & Safety /
Energy Efficiency

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.uk@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +44 1462 440 033
Fax +44 1462 431 143
info.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 / Power Control & Safety /
Energy Efficiency

Tel. +91 44 39215400
Fax +91 44 39215450 & 51
info.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

IN MIDDLE EAST

UNITED ARAB EMIRATES

Critical Power / Power Control & Safety /
Energy Efficiency

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 10 678 740 €
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

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