

ATyS

Automatic Transfer Switch

125 A TO 1600 A

SWITCH TO INNOVATION



Socomec: leading the field in changeover switching

Disconnection, breaking, control... Since 1922 Socomec has gained a wealth of experience in these fields. The excellent worldwide reputation of its products both in industrial and commercial LV electrical installations is due to their high quality and reliability.

The back-to-back manual changeover switch, invented by Socomec and now available in a compact motorised version, has become the world reference in power switching.

ATyS: intelligent integration of control and electronic protection

A leader in electrical control and protection, Socomec is breaking new ground by combining its expertise in this field with its breaking systems. The result: an innovative technological concept for intelligent switching of energy supplies.

ATyS: a practical response to IEC and EN 60947-6-1 switching requirements

The new AtyS switching range has been designed, tested and proven according to the criteria in the international standard IEC 60947-6-1.

Its compliance with this standard guarantees a quality product which meets all the requirements of automatic transfer.

Fits **where you want it**

> Back plate mounting



AtyS products can be mounted on the back plate of the cabinet with optional connection to remote interfaces with controlled access.

> Flush mounting



AtyS products can be mounted to enable direct external access to the command and display interface.



The "plug and play" changeover switch

The normal/backup function is operational as soon as the power cables are connected!

CHANGEOVER

Two mechanically-interlocked switches.

OPERATION

A motorised unit and manual backup switch.

MONITORING AND CONTROL

Integrated electronic relay.

CONFIGURATION AND DISPLAY

Ergonomic, upgradeable interface.

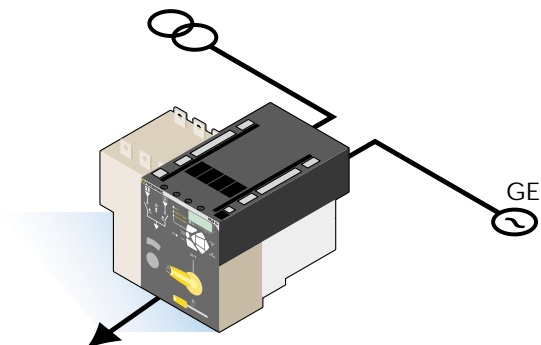
INSTALLATION

Compact integrated solutions facilitate installation and connections.



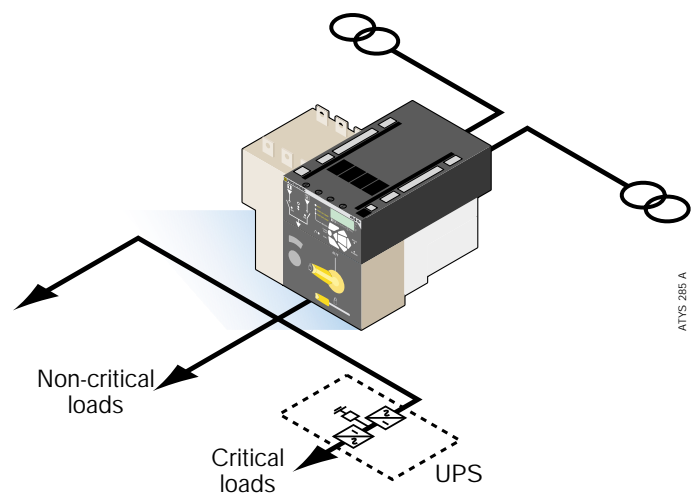
SECURE SWITCHING FOR ALL YOUR APPLICATIONS

> Network/Generator set permutation



ATYS 284 A

> Network/Network permutation



ATYS 285 A

A new intelligent, modular switching concept

A COMPACT SECURE TRANSFER SYSTEM

- > Two load break switches with high short circuit withstand
- > Safety disconnection between loads and upstream power sources
- > Back-to-back assembly from factory guarantees interlocking
- > Load bridging made easy by using the bridging bars available as accessories



ATyS 200 A

DEDICATED CONTROL LOGIC

- > Genset start/stop control
- > Luminous mimic diagram showing status of power sources and position of the switch
- > Screen displays programmed and controlled values
- > Run "permutation cycle" tests either on or off load
- > Electrical position control (via keypad or remote)



ATyS 200 A

A SIMPLE, ADAPTABLE CONTROL MODULE

- > Easy selection of automatic or manual control
- > Handle for manual operation
- > Padlockable facility



ATyS 013 B



ATyS 008 B

FLEXIBLE UPGRADEABILITY

- > Plug-in optional modules:
 - RS 485 JBUS /Modbus communication module (programming software can be downloaded from the Socomec site www.socomec.com)
 - Module configurable with 2 Inputs/2 Outputs (network priority, load shedding, remote manual re-transfer etc.)



Optional modules

ATyS 016 B



Programming software

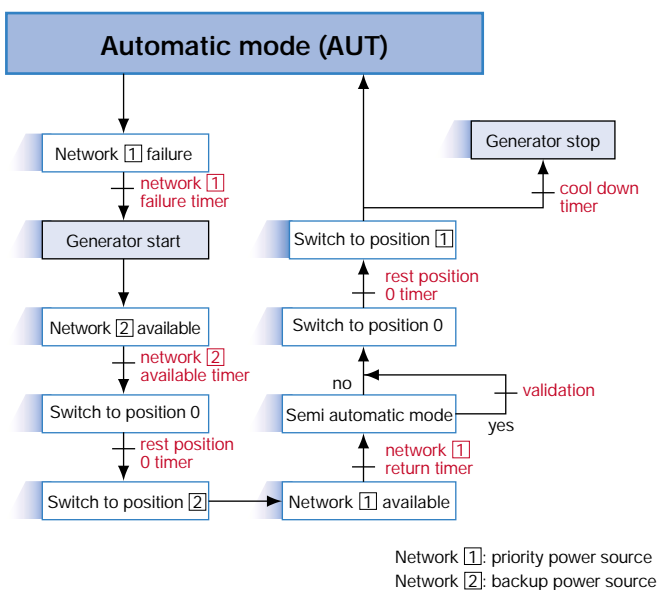
ATyS 200 A

> Dedicated accessories

- Voltage sensing and supply kit
- Atys D10 and D20 remote interfaces
- Bridging bars
- Terminal shrouds
- Terminal screens
- Optional padlocking in 3 positions
- Special locks
- Additional auxiliary contacts...

COMPLETE CONTROL FUNCTIONS

- > Voltage/frequency detection limits and verification of phase rotation
- > Switching cycles can be pre-programmed or customised

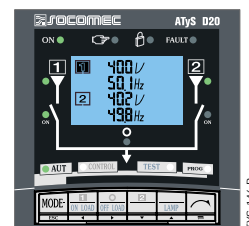


ATyS 020 B GB



Voltage sensing kit

ATyS 011 A



ATyS D20 remote interface with RJ45 connection

ATyS 146 B

EASY MAINTENANCE

- > The motorised module and the control module can be replaced separately without disconnecting the power connections



ATyS 015 B

A complete range for both industrial and commercial low voltage applications

> ATyS 3



A motorised changeover switch for connection to a power supply

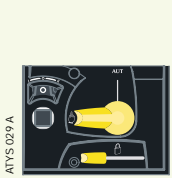
> ATyS 6



A changeover system with an autonomous power source (ATS)*

> ATyS C30 CONTROLLER

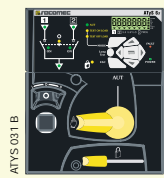
A universal relay for power source switching



ATyS 3s



ATyS 3e



ATyS 6s



ATyS 6e



ATyS 6m



ATyS C30

> Motorised changeover:

- Manual backup switch · Can be padlocked in 3 positions
- Auto/Manual mode selector · Auxiliary contacts (status indicator)
- Two power sources · Uses the present source

> Normal/Backup control relay:

- Network 1 three phase voltage measurement · Network 2 single phase voltage measurement
- Can be used to start/stop a generator set
- Loss of mains, return of mains, change to position 0 and generator set cooling timers
- Test sequences

- Frequency and three phase voltage measurement on networks 1 and 2
- Fault relay
- Electrical controls for position
 - Measurement of I, P, Q, S, PF, neutral current calculation
 - Large backlit display

> Options:

- Optional communication module
- 2 Inputs/2 Outputs optional module**
- Atys D10 and D20 interfaces connection

* Automatic Transfer Switch

** 2 inputs/2 outputs as standard on Atys C30

Please contact us for full functional specification

SOCOMECA CAN ALSO PROVIDE:

> Changeovers and bypass switches



GAMME 025 A

> Static Load Transfer Modules



IT 036 A

> UPS for critical loads



GAMME 008 L

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