ATyS M
Modular Transfer Switching Equipment from 40 to 160 A
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.

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)

ATyS t M
Automatic transfer switching equipment (ATSE)

ATyS g M
Automatic transfer switching equipment (ATSE)

ATyS p M
Automatic transfer switching equipment (ATSE)

Double power supply for use with external controllers

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

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

Integrated controller for use with Mains/Genset & Mains/Mains applications

Programmable parameters, trip and communication

SOCOMEC, 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.

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).
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.

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.

Integrated ATS Controller types

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

For optimum programming and installation monitoring: ATYS p M

- 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.
Selection guide

<table>
<thead>
<tr>
<th>Type of transfer</th>
<th>ATyS d M</th>
<th>ATyS t M</th>
<th>ATyS g M</th>
<th>ATyS p M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote operation (RTSE)</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Automatic (ATSE)</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Number of poles</td>
<td>2/4P</td>
<td>4P</td>
<td>2/4P</td>
<td>4P</td>
</tr>
</tbody>
</table>

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 | 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 |

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 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.

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.