ATyS C25

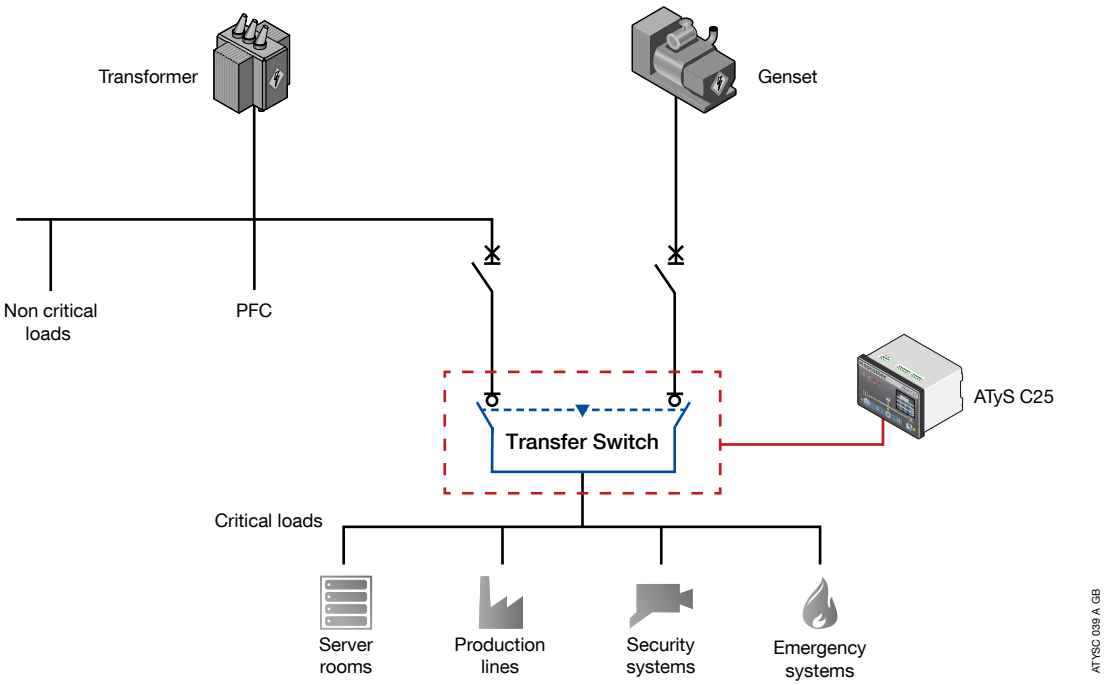
ATS controller
for Transfer Switching Equipment

When **energy** matters

socomec
Innovative Power Solutions

Why do you need Transfer Switching Equipment (TSE)?

Power outages can occur in even the most reliable networks leading to major losses and immense disruption across critical applications, including emergency systems, healthcare devices, server rooms or production lines.
Transfer switching equipment together with the associated ATS controller is usually installed in a crucial path of an electrical installation.
The safe control and switching between one power source and another is essential to guarantee electrical power to critical loads.



Why choose a Socomec ATS controller ?

Choose the switching expert

Switching has been in Socomec's DNA since 1922. We have engineered and manufactured 5 generations of transfer switches and work continuously on next generation technology. With vast experience in the design and development of transfer switching solutions, Socomec is the partner of choice when it comes to ATS controllers for switch type Class PC, circuit breaker type Class CB and contactor type Class CC RTSE.

Think quality first

The entire range of controllers has been created in France, ensuring the highest level of quality, design and performance. All ATS controllers undergo end-of-line testing and are evaluated extensively in Tesla lab; an independent laboratory specialising in the analysis of low-voltage equipment and assemblies. Tesla lab also houses facilities that puts equipment to the test against the harshest environmental conditions including water resistance, dust ingress, chemical exposure, shock and vibration.

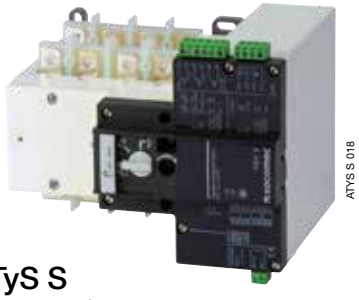
Making life easier

With ease of use at the heart of product design, this range has been created to make life easier. We have placed particular importance on the ergonomics of our controllers and engineered them to provide intuitive, straightforward navigation combined with fast and assisted configuration.

A full Socomec ATS

Tested and designed to be optimised with the full Socomec ATyS RTSE (Remote Transfer Switch Equipment) range.

ATyS dM
- 40 - 160 A
- Modular
- 2 or 4 poles
- Din or backplate



ATyS S
- 40 - 125 A
- Robust
- Replaceable motor
- Compact

ATyS r
- 125 - 3200 A
- 3 or 4 poles
- Backplate mounting
- Replaceable motor

DISCOVER THE PERFECT MATCH

Modbus communication
through RS485

Simple configuration online and offline with DIP switches

Visible and intuitive HMI

Integrated external DPS
for motorised switch (RTSE)

Integrated push-buttons
for manual remote operations and testing

Supplied
from both source 1 & 2
with optional 24 VDC input

ADD EXTRA

FORCE

+

SPEED

+

POWER

TO YOUR TRANSFER SWITCHING EQUIPMENT

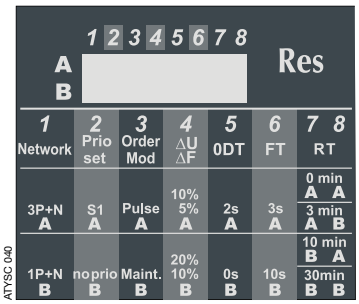
ABOVE AND BEYOND STANDARD

Choose **a safe and reliable solution** for your transfer switch controller by selecting products tested to your local standards. The ATYS C25 has been designed to meet and exceed the most demanding product safety requirements in a compact and competitive package. Engineered and built to comply with overvoltage category III, it can be installed at the distribution level, right after the main incomer. Moreover, thanks to its ergonomic design, the ATyS C25 controller can be mounted wherever works best for you – whether on the door or on a DIN rail inside any enclosure.
The controller complies with IEC 60947-6-1 when type tested with a certified RTSE (such as the Socomec ATyS r range), IEC 61010-1, IEC 61010-2-201 and GB/T 14048.11 Annex C.
Adapted to the harshest environments, the ATyS C25 ATS controllers are tested to the highest quality and endurance standards: -30 °C to +60 °C damp heat (95 % humidity) at 55 °C, salt mist severity 1, IK08.

APPLI 1004

APPLI 1005

FAST CONFIGURATION & USER FRIENDLY



ATYSC 040

Save time on your installation and commissioning with **fast and simple configuration**. Whether online or off-line, with just a few dip-switches you can set up the main values such as timers, thresholds and network characteristics. The ATyS C25 includes an interface that provides immediate visualisation of your installation's status, with a clear and intuitive HMI, and enables you to collect data through Modbus via integrated RS485 communication.

ADAPTED POWER SUPPLY

The ATyS C25 saves you time and reduces costs thanks to its DPS (dual power supply) function which is integrated directly into the product.
With this function, the controller will supply motors up to 6 A with power from either source 1 or source 2. This ensures power to your RTSE motors - without the need for external modules - saving cabling time and cost.
The controller itself is self-powered from the voltage sensing on both sources (AC supply).
The controller can be switched on at all times with full communication and LED functionality - with the optional DC (Direct Current) power supply integrated as standard on the full controller range.

24 VDC

2 x

Select your product

ATyS C25

Simple and fast configuration

- Classic ATS functions
- External DPS
- Self powered from sensing
- RS485 communication

ATyS C55

Programmable

- All TSE technologies
- Multi line LCD screen
- Smart wizard commissioning
- Intuitive menus and dashboards

ATyS C65

Fully programmable

- Current, power and energy monitoring
- Extendable I/O
- 30s energy backup
- Compatible with Digiware

Selection guide

Reference	**1600 0025**	**1600 0055**	**1600 0065**
Name	ATyS C25	ATyS C55	ATyS C65
Application			
RTSE class compatibility	PC/CC	CC (Contactor)/PC (Switch-based)/CB (Circuit Breaker)	
Types of source management	Main/Main - Main/Genset	Main/Main - Main/Genset - Genset/Genset	
Power			
AC Voltage range	184-300 V P-N	80-576 V	80-576 V
AC Voltage power supply range	318-520 V P-P		
Voltage sensing Source 1 & Source 2	•	•	•
DC power supply (optional)		12-24 VDC	
Self-powered from voltage sensing	•	•	•
30 seconds energy back-up during blackout			•
Supplied from USB for configuration		•	•
Standards			
IEC-61010-2-210	•	•	•
GB/T 14048.11 Annex C	•	•	•
Network types			
1ph+N (single phase) networks	•	•	•
3ph+N networks	•	•	•
3ph and 2ph networks		•	•
Mixed 3ph+N (source 1)/1ph+N (source 2) networks		•	•
Installation/Commissioning			
Dimensions mm (H x W x L)	96 x 144 x 106	180 x 240 x 64	
Back plate mounting	•	•	•
Door mounting mm (H x W)	92 x 138	160 x 220	
Configuration wizard & autodetect		•	•
Environment			
IP degree	IP40	IP40 (IP65 with gasket)	IP65
HMI			
LCD screen		•	•
D-70 remote annunciator (Digiware)		•	•
Web server visualisation with D-70 or M-70 gateways (Digiware)		•	•
I/O			
N° Inputs	5 fixed	6 fully programmable	
N° Outputs - Non latching 8 A/277 VAC	4 fixed	4 fully programmable	
N° Outputs - Latching with energy backup 8 A/277 VAC		2 fully programmable	
Sensing & Monitoring			
V & U sensing all phases	•	•	•
V, U, PF visualisation per phase			•
Source sync. Monitoring - in phase transfer			•
Functions			
Current, Power, Energy monitoring			•
Event log time stamped (n° of events)		300	3000
Event search by date			•
RTC with field replaceable battery		•	•
Test modes (manual & remote)	On load	On load/Off load	
Control inhibition	•	•	•
In-phase transfer for fast transfer switches (I-II)			•
Return to 0			•
Communications			
RS485 (Modbus RTU)	•	•	•

Socomec: our innovations supporting your energy performance

1 independent manufacturer

3,600 employees worldwide

10 % of sales revenue dedicated to R&D

400 experts dedicated to service provision

Your power management expert

POWER SWITCHING

POWER MONITORING

POWER CONVERSION

ENERGY STORAGE

EXPERT SERVICES

The specialist for critical applications

- Control, command of LV facilities
- Safety of persons and assets
- Measurement of electrical parameters
- Energy management
- Energy quality
- Energy availability
- Energy storage
- Prevention and repairs
- Measurement and analysis
- Optimisation
- Consultancy, commissioning and training

A worldwide presence

12 **production sites**
- France (x3)
- Italy (x2)
- Tunisia
- India
- China (x2)
- USA (x3)

28 **subsidiaries and commercial locations**
- Algeria • Australia • Belgium • China • Canada
- Dubai (United Arab Emirates) • France • Germany
- India • Indonesia • Italy • Ivory Coast • Netherlands
- Poland • Portugal • Romania • Serbia • Singapore
- Slovenia • South Africa • Spain • Switzerland
- Thailand • Tunisia • Turkey • UK • USA

80 **countries**
where our brand is distributed

HEAD OFFICE

SOCOMEC GROUP
SAS SOCOMEC capital 10 589 500 €
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex
Tel. +33 3 88 57 41 41 - Fax +33 3 88 57 78 78
info.scp.isd@socomec.com

YOUR DISTRIBUTOR / PARTNER

www.socomec.com

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