

# ATS controller for Transfer Switching Equipment

## *ATyS C25 / C35*

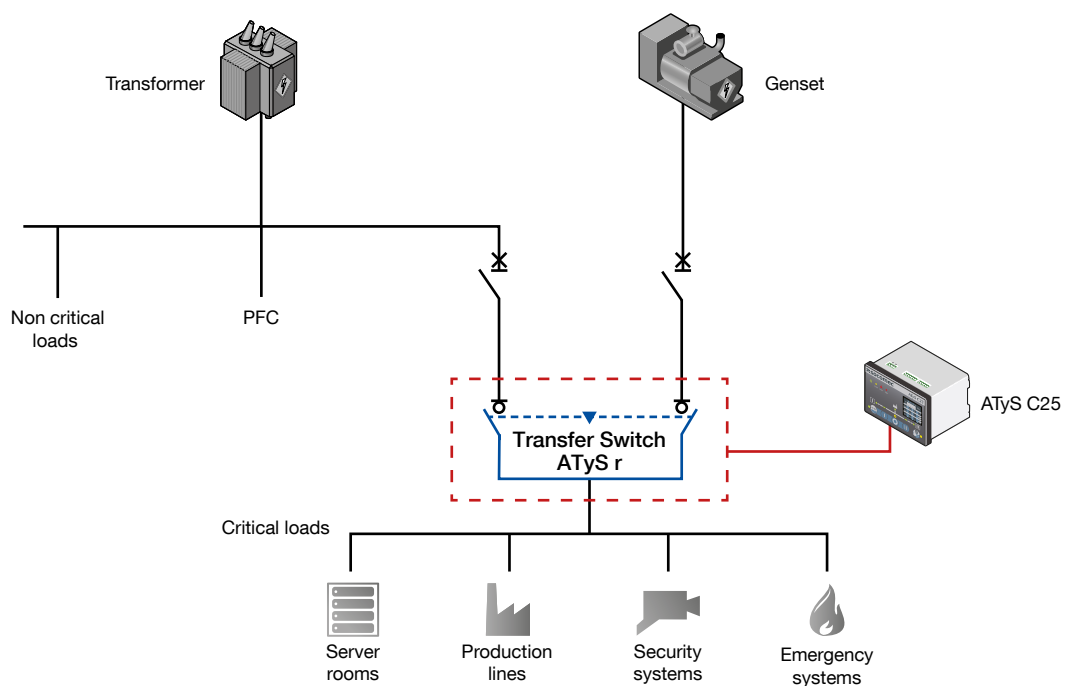




SITE 1940 A

# 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.



ATyS C25 A GB

# 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.

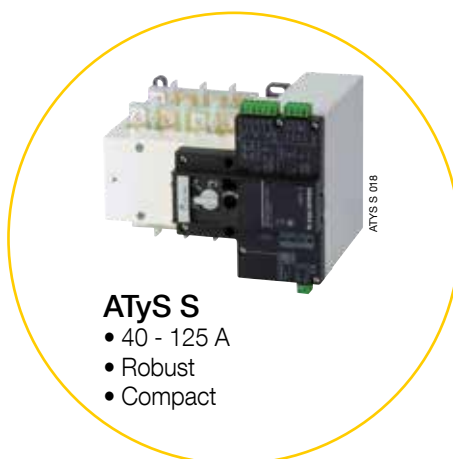
# DISCOVER THE **PERFECT** MATCH



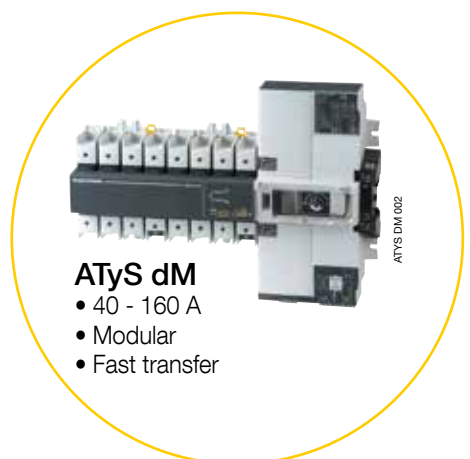
**Simple configuration**  
Fast online and offline  
with DIP switches

## A full Socomec ATS

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



**ATyS S**  
• 40 - 125 A  
• Robust  
• Compact



**ATyS dM**  
• 40 - 160 A  
• Modular  
• Fast transfer

## Programmable inputs

Connect to other products or buttons to adapt your transfer function



ATYS C25/C35

## LCD screen

Visualise voltages measurements settings, and phase angle

## MAIN FEATURES

### ATYS C25 / C35 CONTROLLER

#### Modbus RS485 communication

Connect your product and collect the data

#### Start-genset contact

Integrated contact to start genset in case of source failure

#### Integrated push-buttons

For manual remote operations and testing

#### Power supply

From both source 1 & 2 sensing with optional 24 VDC input

#### Visible and intuitive HMI

With 12 clear LED instantly understand your installation status

#### Integrated external DPS

To supply a motorised switch (RTSE) up to 6A



### ATyS r

- 125 - 3200 A
- 3 or 4 poles
- Robust
- Replaceable motor

## TESTED ACCORDING TO IEC 60947-6-1

Our ATyS R products have been tested and certified according to TSE standards when associated with C25 / C35.

## READY TO USE CABLE HARNESS

Reduce installation time with the Socomec harness which have been tested and designed specifically for use with ATyS r & C25 / C35.

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/C35 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/C35 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/C35 ATS controllers are tested to the highest quality and endurance standards: -25 °C to +70 °C damp heat (95 % humidity) at 55 °C, salt mist severity 1, IK08.



APPLI 1004



APPLI 1005

## FAST CONFIGURATION & USER FRIENDLY

Save time on your installation and commissioning with **fast and simple configuration**. The ATyS C25/C35 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/C35 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**

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

+

**ATyS C35**  
**Digital**

- LCD screen
- Compatible with CB, CC & PC
- Digital settings
- Programmable inputs

+

**ATyS C55**  
**Smart**

- 9 languages
- Smart wizard commissioning
- Multi line LCD screen
- Intuitive menus and dashboards

+

**ATyS C65**  
**Connected**

- Built in current, power and energy monitoring
- Advanced functions
- Extendable I/O modules
- 30s energy backup
- Digiware system

## Selection guide

Reference	1600 0025	1600 0035
Name	ATyS C25	ATyS C35
<b>Power supply</b>		
AC Supply voltage Phase-Neutral	184-300 VAC	184-300 VAC
AC Supply voltage Phase-Phase	N/A	N/A
Frequency supply range	45-65 Hz	45-66 Hz
DC Supply voltage (optional)	12-24 VDC	12-24 VDC
Integrated external DPS to switch (6A AC1)	•	•
Internal DPS from voltage sensing	•	•
<b>Measurement</b>		
Voltage measurement range	90-520 VAC (Phase-phase)	90-520 VAC (Phase-phase)
Phase angle measurement		•
<b>Application</b>		
RTSE class compatibility	PC (switch based) / CC (contactor)	PC (switch based) / CC (contactor) / CB (circuit breaker)
Main-Main	•	•
Main-Gen	•	•
<b>HMI</b>		
LCD Screen	None	96x64 pixels
<b>Communication</b>		
RS485 - Modbus	•	•
<b>Functions</b>		
Tests	On load	On load / Off-load
Inhibition	•	•
Password protection		1 level
<b>I/O</b>		
Inputs	5 fixed	4 fixed 3 programmable
Outputs	4 fixed	4 fixed 1 programmable <sup>(1)</sup>
<b>Environment</b>		
IP rating (front face)	IP4X	IP4X
IK	IK08	IK08
EMC (according to IEC 61326-1 & IEC 60947-6-1)	Class A	Class A
Overvoltage category	III	III
Pollution CAT	PD 2	PD 2
Temperature use range	-25 - +70°C	-25 - +70°C

(1) In Main-Main mode only fixed in Main-Gen.

# 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

#### SOCOMECC GROUP

SAS SOCOMECC capital 10 646 360 €  
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@socomecc.com

### YOUR DISTRIBUTOR / PARTNER

[www.socomecc.com](http://www.socomecc.com)



**100** years  
OF SHARED ENERGY  
1922 — 2022

**socomecc**  
Innovative Power Solutions