# ATyS C25 ATS controller

ATS controller for Transfer Switching Equipment



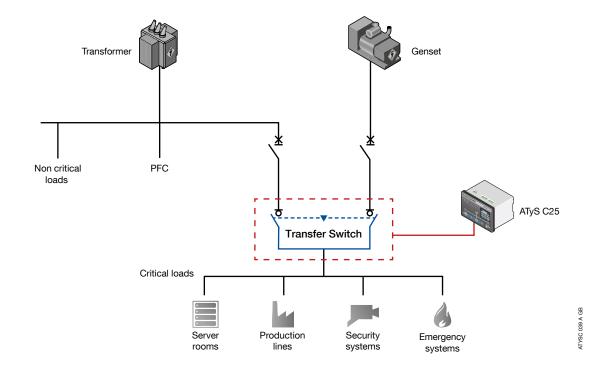




## Why do you need Transfer Switching Equipment (TSE)?

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.



- Modular
- 2 or 4 poles
- Din or backplate



- Replaceable motor
- Compact





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

## DISCOVER THE PERFECT MATCH



#### **ADD EXTRA**

## FORCE









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.





#### **FAST CONFIGURATION & USER FRIENDLY**

	A B	1 2	3 4	7 8	Res		
	<b>1</b> Network	2 Prio set	<b>3</b> Order Mod	<b>4</b> ∆U ∆F	5 0DT	6 FT	7 8 RT
	3P+N <b>A</b>	S1 <b>A</b>	Pulse	10% 5% <b>A</b>	2s <b>A</b>	3s <b>A</b>	0 min A A 3 min A B
ATYSC 040	1P+N   <b>B</b>	noprio <b>B</b>	Maint. <b>B</b>	20% 10% <b>B</b>	0s <b>B</b>	10s <b>B</b>	10 min <b>B A</b> 30min <b>B B</b>

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



## 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 2·	40 x 64					
Back plate mounting	•	•	•					
Door mounting mm (H x W)	92 x 138	160>	: 220					
Configuration wizard & autodetect		•	•					
Environment								
IP degree	IP40	IP40 (IP65 with gasket)	IP65					
HMI		(i. 22 gaa)						
LCD screen		•	•					
D-70 remote annunciator (Digiware)		•	•					
Web server visualisation with D-70 or M-70 gateways (Digiware)		•	•					
1/0								
N° Inputs	5 fixed	6 fully prog	rammable					
N° Outputs - Non latching 8 A/277 VAC	4 fixed	4 fully prog						
N° Outputs - Latching with energy backup 8 A/277 VAC	. iixod	2 fully prog						
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		550	•					
RTC with field replaceable battery		•	•					
Test modes (manual & remote)	On load	On load/	Off load					
Control inhibition	onidau	•	•					
In-phase transfer for fast transfer switches (I-II)	-							
Return to 0								
Communications			•					
RS485 (Modbus RTU)	•							
FIOTOO (MIOUDUS FITO)	•	•	•					

### 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 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
- IndiaChina (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 10589500 €
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

www.socomec.com











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