ATyS p

Automatic Transfer Switching Equipment
from 125 to 3200 A

atys-p_001_b

Function

ATyS p are three-phase automatic transfer switches, 3 or 4 poles, with positive break indication. They incorporate all the functions offered by the ATyS t and g, as well as functions designed for **power management and communication.**

In automatic mode they enable the monitoring of, and the on load changeover switching between, two power supply sources, in accordance with the parameters configured via an LCD display or via the communication.

They are intended for use in low voltage power supply systems where a brief interruption of the load supply is acceptable during transfer.

Advantages

Recording of events

ATyS p switches enable effective monitoring of your installation thanks to timestamped event recording.
Events can be retrieved and read via the communication system.

Optional communication modules

The ATyS p offers communication functions thanks to the addition of optional modules, such as the RS485 module for Modbus communication or the Ethernet module, which includes a Webserver.

Configuration software

Software (Easyconfig) is available enabling the ATyS p parameters to be easily configured and the existing configuration to be saved.
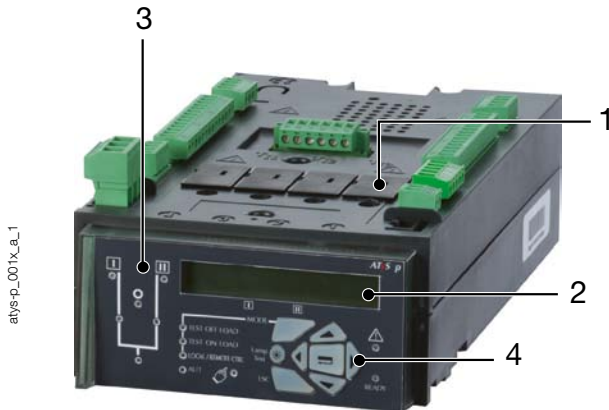
Power measurements

ATyS p products are particularly suited to energy management and monitoring.
In addition to their integrated power and energy measurement functions (with a 2% accuracy level), programmable inputs/outputs can be utilised to control load shedding based on a load level or tariff.

Possibility to set periodic genset startup

ATyS p switches offer additional functions for maintenance. They include the programmed genset starting function which allows the starting dates and operating times to be configured.

The solution for

> Applications requiring power management and communication.

Strong points

> Optional communication modules
> Recording of events
> Configuration software
> Power measurements
> Possibility to set periodic genset startup

Conformity to standards

> IEC 60947-6-1
> IEC 60947-3

Webserver

The Webserver function comprises HTML pages embedded in the Ethernet communication module.

These pages can be accessed via an internet browser, simply by entering the IP address.

The webserver offers the following functionalities:

> Display of source status and switch position
> Display of the main measurements
> Extraction of the latest logged events
> Display of the product configuration

socomec
Innovative Power Solutions

Front panel

1. Slots for optional plug-in modules.
2. Backlit LCD display.
3. Source availability and position indication LEDs.
4. Pushbuttons for programming and mode selection.

Communication and configuration

Easyconfig

The **Easyconfig software** is the ideal solution
to save time and simplify complex configuration.

Typical parameters that can be set:
- the application type,
- voltage/frequency thresholds,
- timers,
- inputs/outputs...
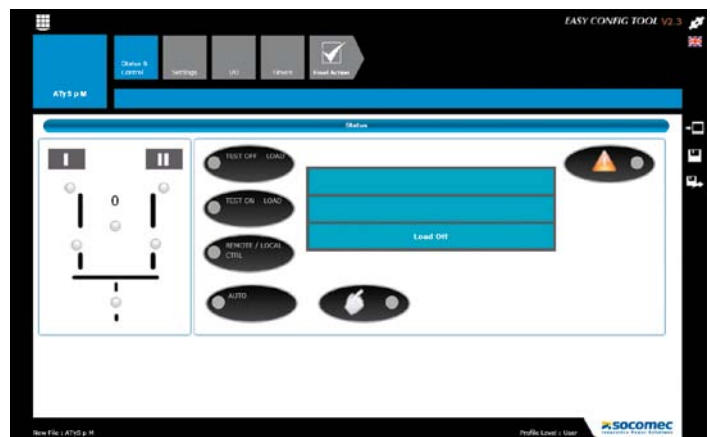
Web Server

Thanks to optional modules, ATyS p can
communicate in **Modbus** and **Ethernet**
protocols.
The Ethernet communication module includes
the **Webserver** function for access to the
ATyS p via an internet browser.

The Webserver function enables:
- display of source status and switch position,
- display of voltage measurements,
- display of parameters set,
- access to the list of logged events.

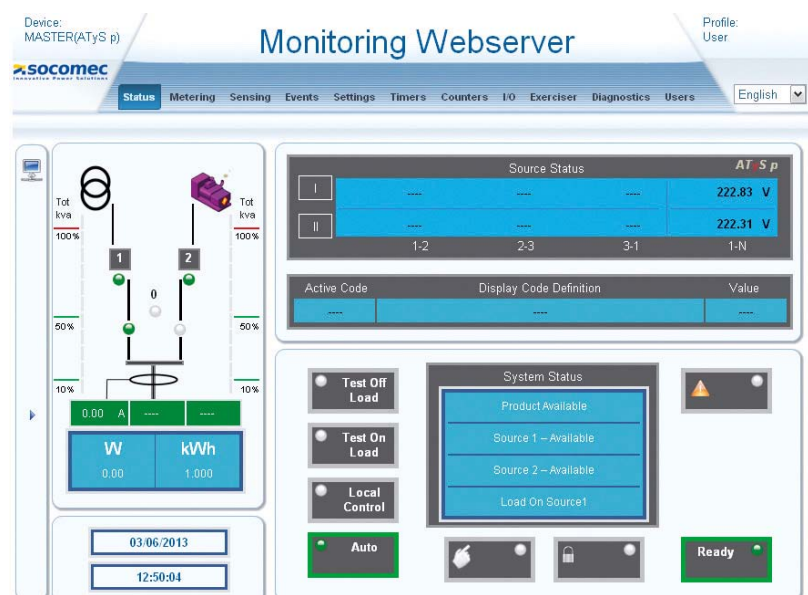# ATyS p
Automatic Transfer Switching Equipment
from 125 to 3200 A

References

Rating (A) / Frame size	No. of poles	ATyS p	Bridging bars	Voltage sensing and power supply tap	Terminal shrouds	Terminal screens	Optional modules	Auxiliary contact
125 A / B3	3 P	9573 **3012**	3 P 4109 **3019** 4 P 4109 **4019**	3 P 1559 **3012** 4 P 1559 **4013**[1]	3 P 2694 **3014**[2] 4 P 2694 **4014**[2]	3 P 1509 **3012** 4 P 1509 **4012**	RS485 MODBUS communication 4825 **0092**	1599 **0002**[4]
125 A / B3	4 P	9573 **4012**						
160 A / B3	3 P	9573 **3016**						
160 A / B3	4 P	9573 **4016**						
200 A / B3	3 P	9573 **3020**						
200 A / B3	4 P	9573 **4020**						
250 A / B4	3 P	9573 **3025**	4109 **3025**	3 P 1559 **3025** 4 P 1559 **4026**[1]	3 P 2694 **3021**[2] 4 P 2694 **4021**[2]	3 P 1509 **3025** 4 P 1509 **4025**		
250 A / B4	4 P	9573 **4025**	4109 **4025**					
315 A / B4	3 P	9573 **3031**	3 P 4109 **3039** 4 P 4109 **4039**					
315 A / B4	4 P	9573 **4031**					2 inputs / 2 outputs 1599 **2001**	
400 A / B4	3 P	9573 **3040**		3 P 1559 **3040** 4 P 1559 **4041**[1]				
400 A / B4	4 P	9573 **4040**						
500 A / B5	3 P	9573 **3050**	4109 **3050**	3 P 1559 **3063** 4 P 1559 **4064**[1]	3 P 2694 **3051**[2] 4 P 2694 **4051**[2]	3 P 1509 **3063**[3] 4 P 1509 **4063**[3]	Ethernet communication 4825 **0203**	
500 A / B5	4 P	9573 **4050**	4109 **4050**					
630 A / B5	3 P	9573 **3063**	4109 **3063**					
630 A / B5	4 P	9573 **4063**	4109 **4063**				Ethernet communication + RS485 MODBUS gateway 4825 **0204**	
800 A / B6	3 P	9573 **3080**	3 P 4109 **3080** 4 P 4109 **4080**	3 P 1559 **3080** 4 P 1559 **4081**[1]		3 P 1509 **3080**[3] 4 P 1509 **4080**[3]		
800 A / B6	4 P	9573 **4080**					Analogue outputs 4825 **0093**	
1000 A / B6	3 P	9573 **3100**						
1000 A / B6	4 P	9573 **4100**					Pulse outputs 4825 **0090**	1599 **0032**[4]
1250 A / B6	3 P	9573 **3120**	4109 **3120**	3 P 1559 **3120** 4 P 1559 **4121**[1]				
1250 A / B6	4 P	9573 **4120**	4109 **4120**					
1600 A / B7	3 P	9573 **3160**	4109 **3160**	3 P 1559 **3160** 4 P 1559 **4161**[1]		1509 **3160**[3]		
1600 A / B7	4 P	9573 **4160**	4109 **4160**			1509 **4160**[3]		
2000 A / B8	3 P	9573 **3200**	(1)	3 P 1559 **3200** 4 P 1559 **4201**[1]		3 P 1509 **3200**[3] 4 P 1509 **4200**[3]		included
2000 A / B8	4 P	9573 **4200**						
2500 A / B8	3 P	9573 **3250**						
2500 A / B8	4 P	9573 **4250**						
3200 A / B8	3 P	9573 **3320**						
3200 A / B8	4 P	9573 **4320**						

(1) Neutral on the left (for neutral on the right, see page 72).
(2) To fully shroud front, rear, top and bottom 4 references required.
    To shroud front switch top and bottom 2 references required.
(3) 2 pieces: one for top side and another for bottom side.
(4) Factory mounting only.

socomec
Innovative Power Solutions

Rating (A) / Frame size	No. of poles	ATyS p[2]	DC power supply	3 position padlocking	Key handle interlocking system	Door protective surround	Mounting spacers	Remote control interface
125 A / B3	3 P	9573 **3012**						
	4 P	9573 **4012**						
160 A / B3	3 P	9573 **3016**						
	4 P	9573 **4016**						
200 A / B3	3 P	9573 **3020**						
	4 P	9573 **4020**						
250 A / B4	3 P	9573 **3025**						
	4 P	9573 **4025**		9599 **0003**[1]	Using lock RONIS EL11AP in position 0 9599 **1006**[1]	1539 **0012**	1 set of 2 spacers 1509 **0001**	
315 A / B4	3 P	9573 **3031**						
	4 P	9573 **4031**						
400 A / B4	3 P	9573 **3040**						
	4 P	9573 **4040**	12 VDC / 230 VAC 1599 **5012** 24 VDC / 230 VAC 1599 **5112**					
500 A / B5	3 P	9573 **3050**						
	4 P	9573 **4050**						ATyS D20 9599 **2020** + RJ45 cable connection 1599 **2009**
630 A / B5	3 P	9573 **3063**						
	4 P	9573 **4063**						
800 A / B6	3 P	9573 **3080**						
	4 P	9573 **4080**						
1000 A / B6	3 P	9573 **3100**						
	4 P	9573 **4100**						
1250 A / B6	3 P	9573 **3120**						
	4 P	9573 **4120**						
1600 A / B7	3 P	9573 **3160**		9599 **0004**[1]	Using lock RONIS EL11AP in position 0 9599 **1004**[1]	1539 **0080**		
	4 P	9573 **4160**						
2000 A / B8	3 P	9573 **3200**						
	4 P	9573 **4200**						
2500 A / B8	3 P	9573 **3250**						
	4 P	9573 **4250**						
3200 A / B8	3 P	9573 **3320**						
	4 P	9573 **4320**						

(1) Factory mounting only.