

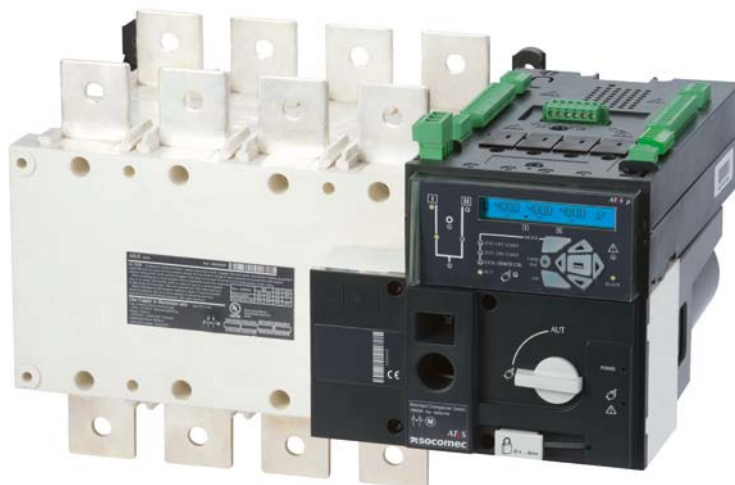


ATyS p

Automatic changeover switches from 125 to 3200 A

Changeover
switches

new



atyS-p_001_Lb

Function

ATyS p is a range of three-phase automatic changeover switches with positive break indication. They incorporate all the functions offered by the ATyS g, as well as functions designed for **power management and enabling 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 pushbuttons and an LCD screen.

They are intended for use in low voltage power systems where 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, programmable inputs/outputs can be utilised to control load shedding based on a load level or tariff.

Generator periodic startup programming (option)

ATyS p switches offer additional functions for maintenance. They include the programmed generator 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.
- > Power measurements.
- > Possibility to set periodic genset startup.

Conformity to standards

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



Enclosed solution

- > Please consult us.

Webserver

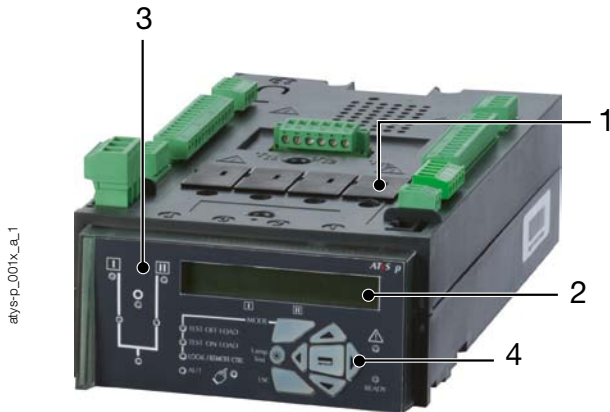
The Webserver function comprises HTML pages embedded in the Ethernet communication module.

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.

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.

Plug-in modules

ATyS p

Number of usable modules per product:
A maximum of four modules can be fitted to each ATyS p, however with the installation of either Ethernet communication module only two additional modules can be installed. Only one pulse output, one analogue output and one communication module can be installed.

 diris_447_a_1_cat	<p>RS485 MODBUS® communication</p> <ul style="list-style-type: none"> • RS485 link with MODBUS® protocol (speed up to 38400 bauds).
 diris_449_a_1_cat	<p>2 inputs - 2 outputs</p> <ul style="list-style-type: none"> • Each module has 2 programmable inputs and 2 programmable outputs available.
 diris_777_a_1_cat	<p>Ethernet communication</p> <ul style="list-style-type: none"> • Ethernet link with MODBUS/TCP or MODBUS RTU over TCP. • Integrated Ethernet Webserver software.
 diris_776_a_1_cat	<p>Ethernet communication with RS485 JBUS/ MODBUS gateway</p> <ul style="list-style-type: none"> • Ethernet link with MODBUS/TCP or JBUS/MODBUS RTU over TCP. • Connection of 1 to 247 RS485 JBUS/MODBUS slaves. • Integrated Ethernet Webserver software.
 diris_448_a_1_cat	<p>Analogue outputs</p> <ul style="list-style-type: none"> • Outputs assignable to: 3I, In, 3V, 3U, F, ±ΣP, ±ΣQ, ΣS.
 diris_445_a_1_cat	<p>Pulse outputs</p> <ul style="list-style-type: none"> • 2 configurable pulse outputs (type, weight and duration) on ± kWh, ±kvarh and kVAh.

References

Rating (A)	No. of poles	ATyS ⁽⁵⁾	Bridging bars	Terminal shrouds	Terminal screens	Optional modules	Auxiliary contact	Auto transformer
125 A	3 P	9573 3012						
	4 P	9573 4012						
160 A	3 P	9573 3016	3 P 4109 3019	3 P 2694 3014 ⁽²⁾	3 P 1509 3012			
	4 P	9573 4016	4 P 4109 4019	4 P 2694 4014 ⁽²⁾	4 P 1509 4012			
200 A	3 P	9573 3020						
	4 P	9573 4020						
250 A	3 P	9573 3025	4109 3025					
	4 P	9573 4025	4109 4025					
315 A	3 P	9573 3031	3 P 4109 3039	3 P 2694 3021 ⁽²⁾	3 P 1509 3025	RS485 MODBUS communication 4825 0092	1599 0002 ⁽⁴⁾	
	4 P	9573 4031		4 P 2694 4021 ⁽²⁾	4 P 1509 4025			
400 A	3 P	9573 3040	4 P 4109 4039			2 inputs / 2 outputs 1599 2001		
	4 P	9573 4040						
500 A	3 P	9573 3050	4109 3050	3 P 2694 3051 ⁽²⁾	3 P 1509 3063 ⁽³⁾	Ethernet communication 4825 0203		400/230 VAC 1599 4064
	4 P	9573 4050	4109 4050		4 P 1509 4063 ⁽³⁾			
630 A	3 P	9573 3063	4109 3063	4 P 2694 4051 ⁽²⁾		Ethernet communication + RS485 MODBUS gateway 4825 0204		
	4 P	9573 4063	4109 4063					
800 A	3 P	9573 3080	3 P 4109 3080			Analogue outputs 4825 0093		
	4 P	9573 4080						
1000 A	3 P	9573 3100	4 P 4109 4080			Pulse outputs 4825 0090	1599 0032 ⁽⁴⁾	
	4 P	9573 4100						
1250 A	3 P	9573 3120	4109 3120					
	4 P	9573 4120	4109 4120					
1600 A	3 P	9573 3160	4109 3160		1509 3160 ⁽³⁾			
	4 P	9573 4160	4109 4160		1509 4160 ⁽³⁾			
2000 A	3 P	9573 3200						
	4 P	9573 4200						
2500 A	3 P	9573 3250	(1)		included		included	
	4 P	9573 4250						
3200 A	3 P	9573 3320						
	4 P	9573 4320						

(1) See "Copper bar connection kits" page

(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.

(5) An optional key operated Auto/Manual selector is available on request. If required, this option must be requested when ordering the switch (ATyS, ATyS d, t, g and p). To order this option simply add "-K" after the ATyS reference.

References

Rating (A)	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	3 P	9573 3012	12 VDC / 230 VAC 1599 5012 24 VDC / 230 VAC 1599 5112	9599 0003 ⁽¹⁾	Using lock RONIS EL11AP in position 0 9599 1006 ⁽¹⁾	1539 0012	1 set of 2 spacers 1509 0001	ATyS D20 9599 2020 + RJ45 cable connection 1599 2009
	4 P	9573 4012						
160 A	3 P	9573 3016						
	4 P	9573 4016						
200 A	3 P	9573 3020						
	4 P	9573 4020						
250 A	3 P	9573 3025						
	4 P	9573 4025						
315 A	3 P	9573 3031						
	4 P	9573 4031						
400 A	3 P	9573 3040						
	4 P	9573 4040						
500 A	3 P	9573 3050						
	4 P	9573 4050						
630 A	3 P	9573 3063						
	4 P	9573 4063						
800 A	3 P	9573 3080						
	4 P	9573 4080						
1000 A	3 P	9573 3100						
	4 P	9573 4100						
1250 A	3 P	9573 3120						
	4 P	9573 4120						
1600 A	3 P	9573 3160						
	4 P	9573 4160						
2000 A	3 P	9573 3200						
	4 P	9573 4200						
2500 A	3 P	9573 3250						
	4 P	9573 4250						
3200 A	3 P	9573 3320						
	4 P	9573 4320						

(1) Factory mounting only.

(2) An optional key operated Auto/Manual selector is available on request. If required, this option must be requested when ordering the switch (ATyS, ATyS d, t, g and p). To order this option simply add "-K" after the ATyS reference.