

Enclosed **ATS** *By-Pass* Solution from 40 A to 3200 A



NO BREAK BY-PASS



SOCOMEK: leading the field in changeover switching

Disconnection, breaking, control... Since 1922 SOCOMEK has gained a wealth of experience in these fields. The excellent worldwide reputation of its products both in industrial and commercial LV electrical installations is due to their high quality and reliability.

The back-to-back manual changeover switch, invented by SOCOMEK and now available in a compact motorised version, has become the world reference in power switching.

ATyS: a practical response to IEC and EN 60947-6-1 switching requirements

The new AtyS switching range has been designed, tested and proven according to the criteria in the international standard IEC 60947-6-1.

Its compliance with this standard guarantees a quality product which meets all the requirements of automatic transfer requirements.

SOCOMEK: An ISO 9001: 2008 Company

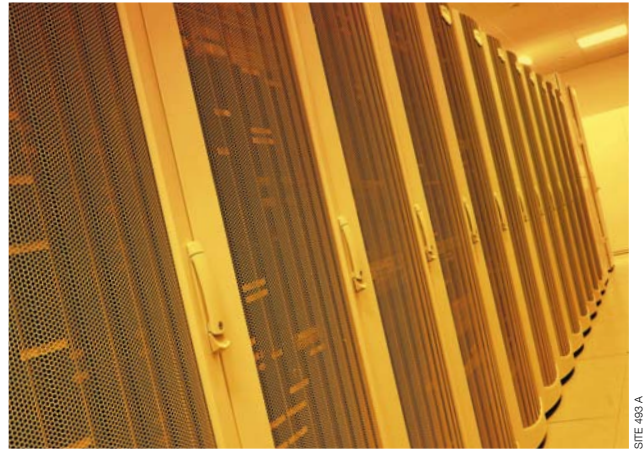


As **Quality & Availability** of the power become more and more critical and essential in certain fields, the loss of power can occur severe financial losses and danger to life and security of the persons.

Hence SOCOMEK, the French leader in switching equipment have developed a complete **ATS By-Pass Solution** where the Transfer Switch can be inspected, maintained without interruption of the load power supply.

The Socomek **ATS By-Pass Solution** is not only a switch: communication, metering, data logging technologies are available to face today requirement for better protection of the products and reliability of the power.

Socomek **ATS By-Pass Solution** are CE marked and fully compliant with the international IEC standard IEC 6947-6-1 and IEC 61439-2.



Applications

- Data Centers
- Transportation facilities
- Healthcare facilities
- High rise buildings
- Public offices



ATS *By-Pass* Solution

The ultimate solution for power supply availability of essential loads

RELIABLE SOLUTION

Complete ATS redundancy / Optimized MTTR / Inspection, Test & Maintenance simplified.

SAFE SOLUTION

Intuitive and secure operation / High Electric Operation.

INTEGRATED SOLUTION

Complete Solution / New & Retrofit Installation / Remote Control Capabilities.



NORMAL MODE

The By-Pass products are out of power, they will not carry fault currents. All the changeover functionalities are ensured by the ATS.

BYPASS MODE

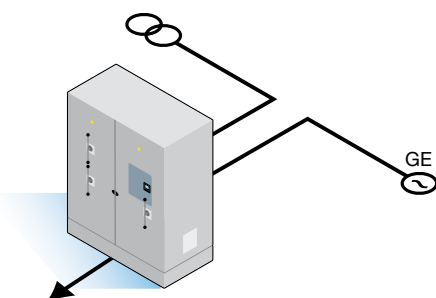
The ATS is by-passed without interruption of the power supply & fully isolated, the load is supplied by source 1 or source 2 through the manual changeover switch.

TEST MODE

The load is not supplied by the ATS but through the Manual changeover switch, the Automatic transfer Switch can be tested without any perturbation on the load.

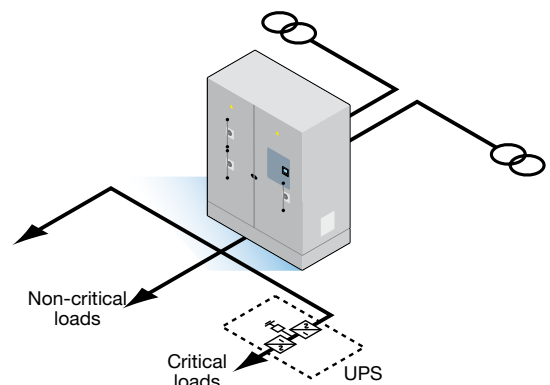
Secure switching for all your applications*

> Network / Generator set permutation



ATYS 764 A

> Network / Network permutation



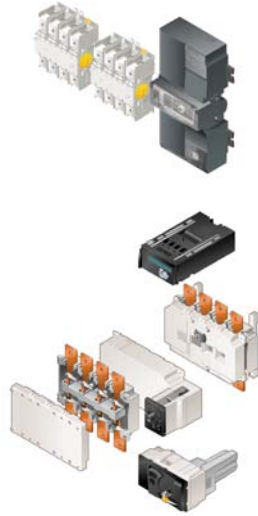
ATYS 765 A

* Generator/Generator application on request

A new intelligent, modular switching concept

A compact secure transfer system

- > Two load break switches with high short circuit withstand
- > Safety disconnection between loads and upstream power sources
- > Load bridging made easy by using the bridging bars available as accessories

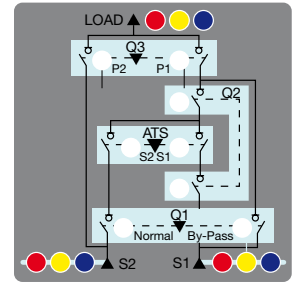


ATYSM 268 A

ATYS 768 A

Mimic diagram

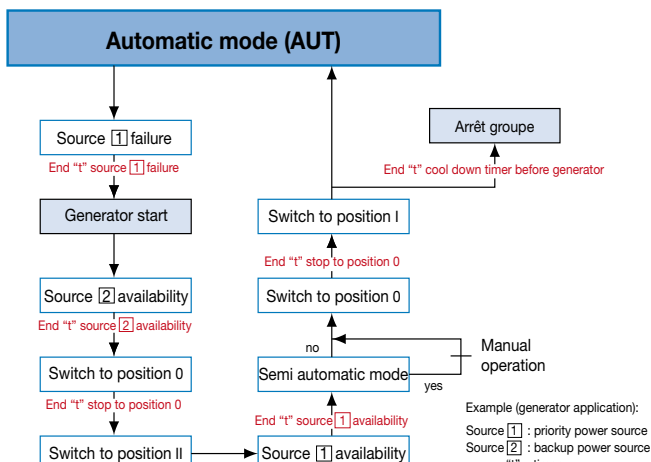
- > It will allow the customer to have full vision of the ATS By-Pass status. It includes the ATYS D20 remote interface & LED lights (optional).



ACCESS 275 B

Complete control functions

- > Voltage / frequency detection limits and verification of phase rotation
- > Switching cycles can be pre-programmed or customised



ATYS 028 E GB

Dedicated control logic

- > Genset start / stop control
- > Luminous mimic diagram showing status of power sources and position of the switch
- > Screen displays programmed and controlled values
- > Run "permutation cycle" tests either on or off load
- > Electrical position control (via keypad or remote)



ATYSM 030 C

Withdrawable System (≥ 160A)

Extraction of the ATS in full security, in a minimum time and allows an easiest product handling.



ATYS 786 A

Communication facility

RS485 JBus/Modbus module (standard).

Accessories (factory fitted)

> Remote ATS Bypass Management

An optional module can be integrated in the ATS By-Pass to allow communication through Ethernet for the following functions:

- Alarm management (SNMP protocol)
- Data logging.
- Remote control.



ATYS 761 A GB

> Engine Exerciser

The By-Pass Solution can be supplied along with an engine exerciser for set Start Time, Time of day, of week...



ACCESS 276 A

> Extension Cabinet

To make all type of connections (BB/TT/BT/TB) from 1200A to 3200A, possibility to have an extension cabinet.



KDRYS 504 A

> Power measurement

The ATS By-Pass can be equipped with measurement devices and CT's to allow power management (DIRIS A10 / DIRIS A20 / DIRIS A40 / DIRIS A41 / DIRIS A60)



DIRIS 745 A

A complete enclosed range dedicated to the isolation By-Pass

	SINGLE LINE				DOUBLE LINE				
RANGE FROM 40A TO 3200A									
SWITCHING EQUIPMENTS	FUNCTIONS	Qties	40 A to 125 A	160 A to 3200 A	FUNCTIONS	Qties	40 A to 125 A	160 A to 3200 A	
	ATS Automatic Transfer Switch	1	ATyS M 6e 	ATyS 6e 	ATS Automatic Transfer Switch	1	ATyS M 6e 	ATyS 6e 	
	LBS Load Break Switch	1	SIRCO M 8P 	SIRCO 8P 	LBS Load Break Switch	1	SIRCO M 8P 	SIRCO 8P 	
	MTS Manual Transfer Switch	1	SIRCO M 	SIRCOVER 	MTS Manual Transfer Switch	2	SIRCO M 	SIRCOVER 	
	HMI Human Machine Interface	1	Mimic Diagram + ATyS D20 	Mimic Diagram + ATyS D20 	HMI Human Machine Interface	1	Mimic Diagram + ATyS D20 	Mimic Diagram + ATyS D20 	
REFERENCES	RATINGS	POLES	REFERENCES	RATINGS	POLES	REFERENCES	RATINGS	POLES	REFERENCES
	40 A	4P	1785 4004	40 A	4P	1786 4004	40 A	4P	1786 4004
	63 A	4P	1785 4006	63 A	4P	1786 4006	63 A	4P	1786 4006
	80 A	4P	1785 4008	80 A	4P	1786 4008	80 A	4P	1786 4008
	100 A	4P	1785 4010	100 A	4P	1786 4010	100 A	4P	1786 4010
	125 A	4P	1785 4012	125 A	4P	1786 4012	125 A	4P	1786 4012
	160 A	4P	1785 4016	160 A	4P	1786 4016	160 A	4P	1786 4016
	250 A	4P	1785 4025	250 A	4P	1786 4025	250 A	4P	1786 4025
	400 A	4P	1785 4040	400 A	4P	1786 4040	400 A	4P	1786 4040
	630 A	4P	1785 4063	630 A	4P	1786 4063	630 A	4P	1786 4063
	800 A	4P	1785 4080	800 A	4P	1786 4080	800 A	4P	1786 4080
	1000 A	4P	1785 4100	1000 A	4P	1786 4100	1000 A	4P	1786 4100
	1250 A	4P	1785 4120	1250 A	4P	1786 4120	1250 A	4P	1786 4120
	1600 A	4P	1785 4160	1600 A	4P	1786 4160	1600 A	4P	1786 4160
	2000 A	4P	1785 4200	2000 A	4P	1786 4200	2000 A	4P	1786 4200
	2500 A	4P	1785 4250	2500 A	4P	1786 4250	2500 A	4P	1786 4250
	3200 A	4P	1785 4320	3200 A	4P	1786 4320	3200 A	4P	1786 4320

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