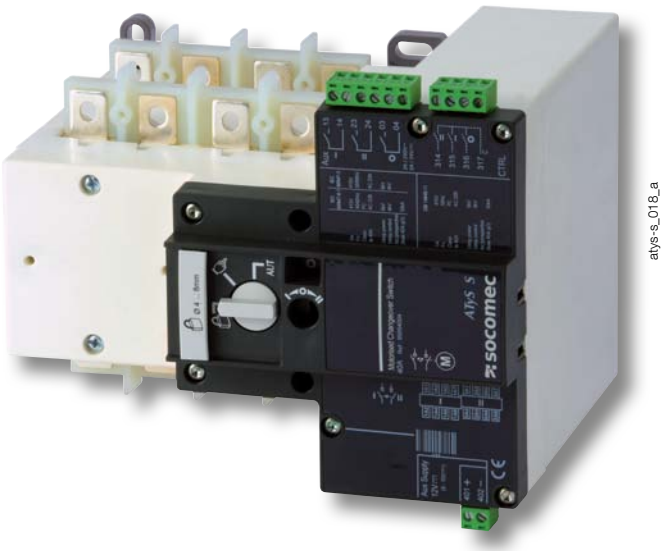
ATyS S - ATyS d S

Remotely operated Transfer Switching Equipment

from 40 to 125 A



atys-s_018_a

The solution for

- Genset < 90 kVA
- Heating systems
- Climate control
- Ventilation systems
- Telecommunications

Strong points

- Extensive power supply range
- Safety and reliability
- Easy integration
- Simplified maintenance
- ATyS d S: Dual power supply

Conformity to standards

- IEC 60947-6-1
- IEC 60947-3
- GB 14048-11

Approvals and certifications

Function

ATyS S products are 4 pole remotely operated transfer switches with positive break indication.
They enable the on-load transfer of two three-phase supplies via remote volt-free contacts, from either an external automatic controller, using pulse logic, or a switch.
They are intended for use in low voltage power supply systems where a brief interruption of the load supply is acceptable during transfer.

Advantages

Extensive power supply range
The ATyS S is available in four supply versions, each with a broad range (+/-30%).
The four versions are:
- 12 VDC power supply.
- 24/48 VDC power supply.
- 230 VAC single power supply.
- 2 x 230 VAC dual power supply.

Safety and reliability
ATyS S products use stable position technology, ensuring constant pressure on the contacts and preventing premature faults. In addition, they do not require a power supply to maintain position, thus protecting their loads from voltage fluctuations.

Easy integration
ATyS S products can be easily installed inside enclosures. Their design, and in particular their compact size, enables integration within most 200 mm deep enclosures.

Simplified maintenance
Maintenance can be carried out easily under load, with manual operation still available.
The control and motorisation section can be replaced simply by removing 4 screws, with no work required on the installation cabling.

ATyS d S: Dual power supply
In addition to the functions offered by the ATyS S, the ATyS d S incorporates supply redundancy without the need for additional wiring. This is obtained by integrating a double supply (2 independent supplies) directly within the product.

socomec Innovative Power Solutions

References

ATyS S

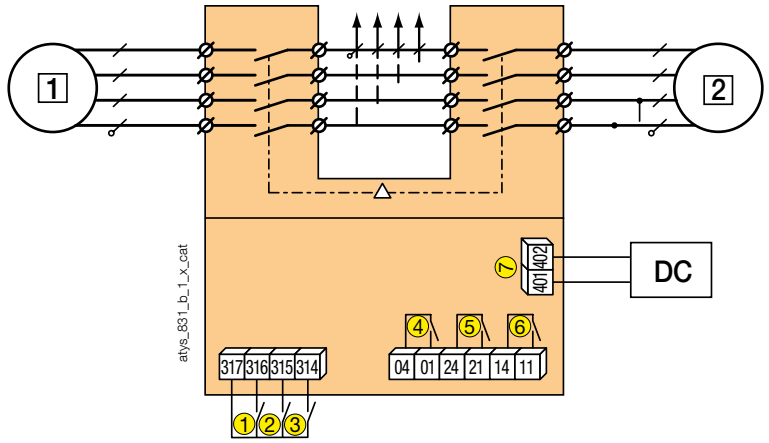
Rating (A)	No. of poles	Power supply	ATyS S	Bridging bars	Terminal shrouds	Voltage tap	Terminal retainer	DIN rail
40 A	4 P	24/48 VDC	9506 **4004**	4 P 9509 **4013**	Source side 2 pieces 9594 **4012** Load side 2 pieces 9594 **9012**		2 pieces 9599 **4003**	4 modules 9599 **4002**
	4 P	12 VDC	9505 **4004**					
	4 P	230 VAC	9503 **4004**			9599 **4001**		
63 A	4 P	24/48 VDC	9506 **4006**					
	4 P	12 VDC	9505 **4006**					
	4 P	230 VAC	9503 **4006**			9599 **4001**		
80 A	4 P	24/48 VDC	9506 **4008**					
	4 P	12 VDC	9505 **4008**					
	4 P	230 VAC	9503 **4008**			9599 **4001**		
100 A	4 P	24/48 VDC	9506 **4010**					
	4 P	12 VDC	9505 **4010**					
	4 P	230 VAC	9503 **4010**			9599 **4001**		
125 A	4 P	24/48 VDC	9506 **4012**					
	4 P	12 VDC	9505 **4012**					
	4 P	230 VAC	9503 **4012**			9599 **4001**		

ATyS d S

Rating (A)	No. of poles	Power supply	ATyS d S	Bridging bars	Terminal shrouds	Voltage tap	Terminal retainer	DIN rail
40 A	4 P	2 x 230 VAC	9513 **4004**	4 P 9509 **4013**	Source side 2 pieces 9594 **4012** Load side 2 pieces 9594 **9012**	9599 **4001**	2 pieces 9599 **4003**	4 modules 9599 **4002**
63 A	4 P	2 x 230 VAC	9513 **4006**					
80 A	4 P	2 x 230 VAC	9513 **4008**					
100 A	4 P	2 x 230 VAC	9513 **4010**					
125 A	4 P	2 x 230 VAC	9513 **4012**					

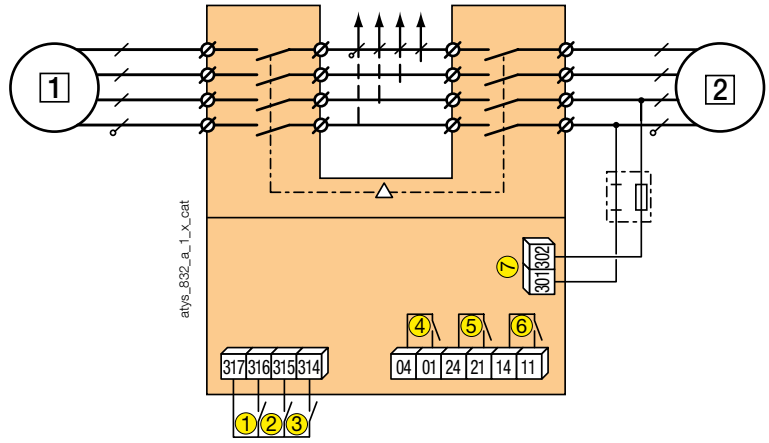
Terminals and connections

ATyS S DC version



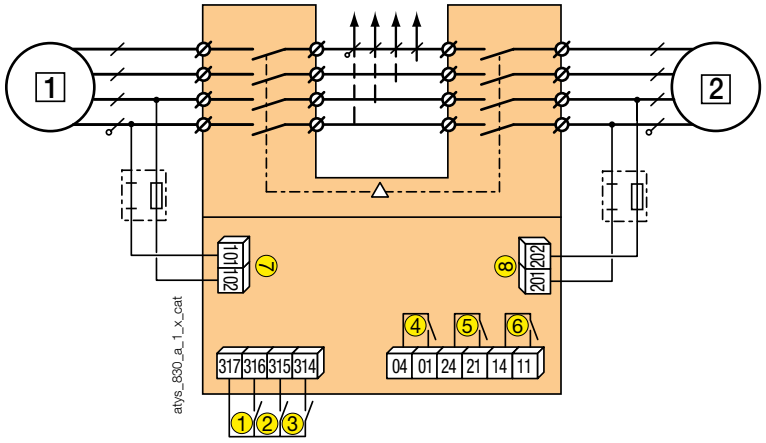
1 preferred source
2 alternate source
1: position 0 control
2: position I control
3: position II control
4: auxiliary contact, closed when the switch is in position 0
5: auxiliary contact, closed when the switch is in position II
6: auxiliary contact, closed when the switch is in position I
7: power supply 12 VDC (9-15 VDC) or 24 VDC / 48 VDC (17-62 VDC) depending on the version.

ATyS S: 230 VAC

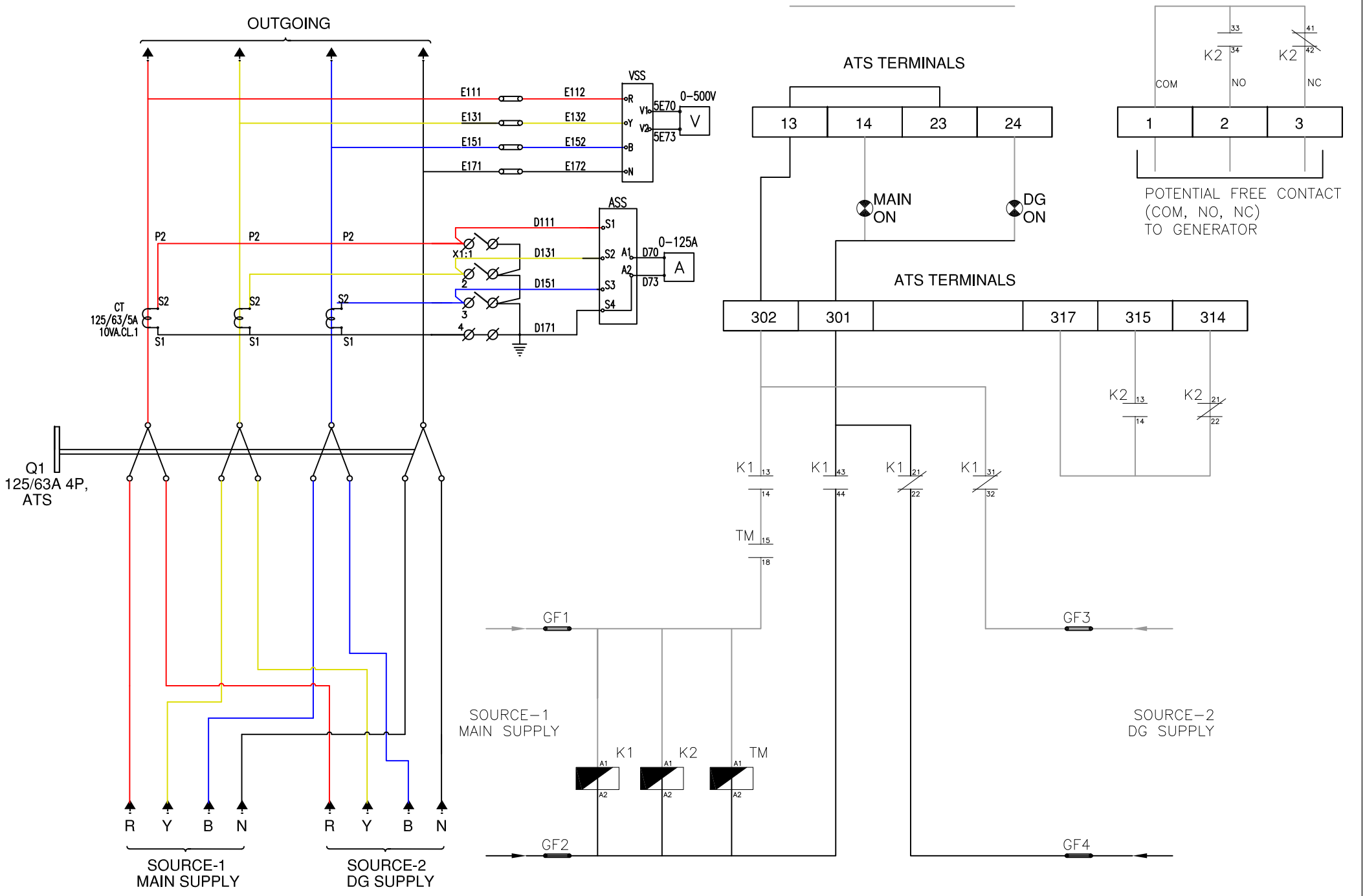


1 preferred source
2 alternate source
1: position 0 control
2: position I control
3: position II control
4: auxiliary contact, closed when the switch is in position 0
5: auxiliary contact, closed when the switch is in position II
6: auxiliary contact, closed when the switch is in position I
7: power supply kit: 230 VAC (160-310 VAC)

ATyS d S: 2 x 230 VAC



1 preferred source
2 alternate source
1: position 0 control
2: position I control
3: position II control
4: auxiliary contact, closed when the switch is in position 0
5: auxiliary contact, closed when the switch is in position II
6: auxiliary contact, closed when the switch is in position I
7: power supply kit I: 230 VAC (160-310 VAC)
8 : power supply kit II: 230 VAC (160-310 VAC)



Rev.	Description	Date
R0	First Submission	25/08/2021

ALL GENERATORS
SALES·SERVICE·HIRE
1300 012 719

WIRING DRAWING	Drawn	VIRAL	25/08/2021	Date	Drg. No. AG/054/1/2021-22
3PH ATS PANEL	Checked	VIRAL	–	Enq.No.	
Project : --	Appd.	R.N.	N.T.S	Scale	

Total Sh. 01
SH.NO. 01