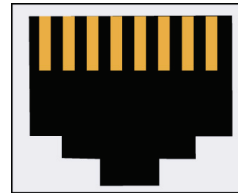


Wiring - control terminals

Electrical characteristics for ATS22●●●S6 and ATS22●●●Q ranges (230 Vac with 24 Vdc logic input)

Terminal	Function	Characteristics
CL1	ATS22 control power supply	230 Vac +10%
CL2		220 Vac -15%
R1B	Relay1 normally closed	Max switching capability: 5 A- 250 Vac or 30 Vdc on resistive load (p.f. =1) 2 A-250 Vac or 30 Vdc on inductive load (p.f.=0.4) Minimal commutation capability: 100 mA 12 Vdc
R1C	Relay1 common	
R1A	Relay1 normally open	
R2B	Relay2 normally closed	
R2C	Relay2 common	
R2A	Relay2 normally open	
LI1	Logic input 1	3 x 24 V logic inputs with 4.3 kΩ impedance U _{max} = 30 V, I _{max} = 8 mA state 1: U>11 V - I>5 mA state 0: U<5 V - I<2 mA
LI2	Logic input 2	
LI3	Logic input 3	
+24 Vdc	Float 24 Vdc(+) (1)	The 24 V power supply is current limited to 42mA (for both internal and external use). 24 Vdc accuracy: 24 V ±6 Vdc Turn on/off time delay: • Hardware: <15 ms • Software: <70-85 ms (anti bounce)
COM	Float 24 Vdc(-)	
PTC1	PTC (+)	PTC probe connection: Total resistance of the probe circuit: 750 Ω at 25°C (77°F).
PTC2	PTC (-)	
⊕	Ground (shield)	RJ45 Modbus connector for <ul style="list-style-type: none"> • Remote terminal • SoMove software • Communication bus
RJ45 pin 1	Not connected	
RJ45 pin 2	Not connected	
RJ45 pin 3	Common	
RJ45 pin 4	D1	
RJ45 pin 5	D0	
RJ45 pin 6	Not connected	
RJ45 pin 7	12 ±0.5 Vdc (2)	
RJ45 pin 8	Common	
RJ45 shield	Signal ground (SNG)	

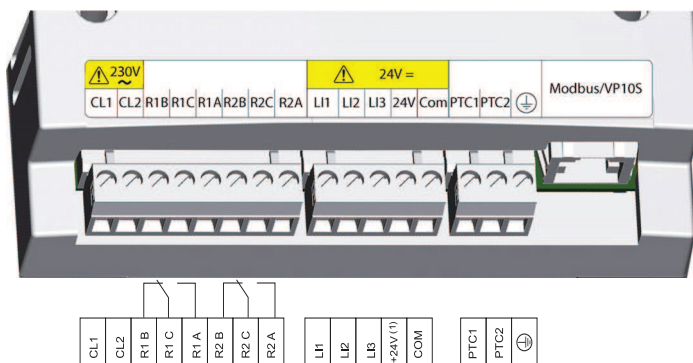
Modbus RJ45
1 2 3 4 5 6 7 8



(1) 24 Vdc current is limited to 42 mA ±10%.

(2) The voltage is 11.8 V ±0.5 V when the communication is running, but not loaded externally. Maximum output current is 100 mA.

Layout of control terminals



The control terminals are installed with one way plug-in connectors.

Maximum connection capacity: 2.5 mm² (12 AWG)

Maximum tightening torque: 0.5 N·m (4.5 lb·in)

⚠ DANGER

UNINTENDED EQUIPMENT OPERATION

It is mandatory that:

- One of the relay (R1 or R2) must be set to **tr IP**.
- Relay R1 or R2 set to trip must be wired as shown on page 38 through 41.

Failure to follow these instructions will result in death or serious injury.