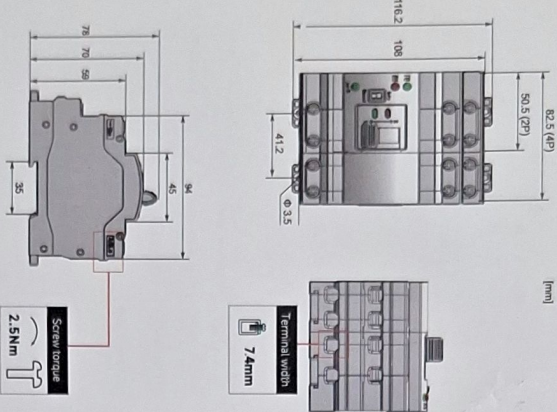


Dimensions



Working Conditions

- Altitude: Up to 2000 meters
- Operating Temperature Range: -5°C to $+40^{\circ}\text{C}$ (24-hour average must not exceed $+35^{\circ}\text{C}$)
- Storage Temperature Range: -25°C to $+55^{\circ}\text{C}$ (transient peaks up to $+70^{\circ}\text{C}$)
- Operating Humidity: Up to 50% at $+40^{\circ}\text{C}$; up to 90% at $+20^{\circ}\text{C}$ (condensation prevention required)
- Contamination Level: Level 3
- Protection Rating: IP30
- Overvoltage Category: Category III (main circuit), Category II (control/auxiliary circuits)
- Mounting Orientation: The ATS can be installed vertically or horizontally in cabinets. For specific installation requirements, please get in touch with us.

Important Notes

- Ensure correct phase sequence when connecting input power.
- Avoid using single-pole breakers for neutral/live control lines.
- Switch neutral and live lines simultaneously to prevent malfunctions
- Prefer automatic mode for reliability, excessive manual use can cause contact wear.
- Switch to manual mode only after power disconnection for maintenance.
- Keep in automatic position normally; return to it after manual use.
- For dual-power ATS, minimize switching and allow at least 1 minute between tests.
- Only qualified personnel should operate the ATS while powered.
- The dual power supply needs to activate the coil switching instantaneously, and the required power cannot be less than 3000W (inverter rated power)

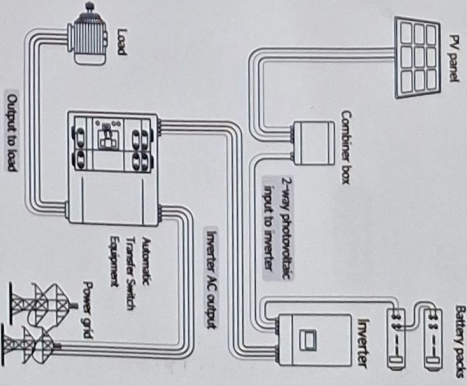
Cautions

- Electrical Connections: Ensure all connections are secure to prevent overheating and fire hazards
- Avoid Neutral-Ground Bonding: Do not connect the neutral line to the grounding system, as this can create hazards.
- Adhering to these guidelines ensures the safe operation of the ATS.

Technical Specification

Rated operating current Ie(A):	06/10/16/20/25/32/40/50/63A
Rated insulation voltage Ui:	690V
Rated impulse withstand voltage Uimp:	8kV
Rated working voltage Ue:	AC110/220/230/380/400V
Rated frequency f:	50/60Hz
Product Category:	PC Class
Pole number:	2P/4P
Rated short-circuit current Iq(SCPD):	50kA
Short circuit protection device (SCPD):	RT16-00-63A
Overvoltage / undervoltage Protection range:	
220V/50Hz Undervoltage value: 175V (+5V) Recovery value: 190V (+5V), Overvoltage value: 270V (+5V) Recovery value: 250V (+5V), 110V/50Hz Undervoltage value : 85V (+5V) Recovery value: 90V (+5V), Overvoltage value: 140V (+5V) Recovery value: 135 (+5V) (Parameters of standard models are for reference only; customized products are not subject to these values)	
Mechanical life:	≥ 4000 times
Electrical life:	≥ 1500 times
Usage category:	AC-31B

Easy Installation Instructions



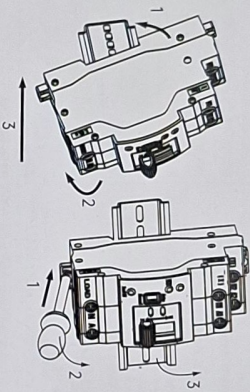
This product has undergone insulation testing before leaving the factory. Incorrect dielectric testing will damage the control system, and it is strictly prohibited to conduct dielectric testing with ATS.

Automatic Transfer Switch G2R



DIN Rail Installation

1. Insert the upper end of the ATS base into the DIN rail.
2. Push the lower end of the ATS base into the DIN rail until the snap fastener locks securely.

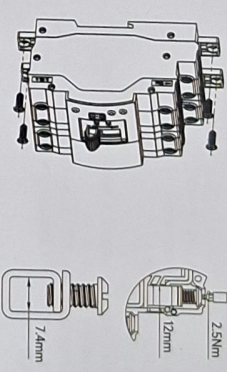


DIN Rail Disassembly

1. Insert a screwdriver into the round hole of the DIN rail snap fastener at the bottom of the ATS.
2. Use a screwdriver to pry the DIN rail snap fastener downward.
3. Tilt the ATS upwards and remove it from the DIN rail.

Screw Mounting

1. Pull out the upper and lower snap fasteners located at the bottom of the ATS.
2. Secure the ATS to the panel with screws.

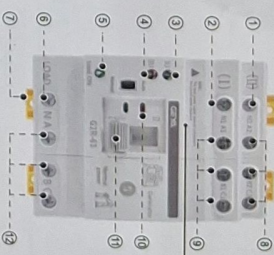


Push-in wiring
Bripping length
12 mm ≤ L ≤ 13 mm

Wiring

1. The ATS is equipped with screw-type terminals, each with a width of 7.4 mm, suitable for copper wires with a cross-sectional area of 1 to 16 mm².
2. When wiring, strip the wire to a length of 12 to 13 mm; it is recommended to use a duckbill-shaped terminal for secure connection.
3. Tighten the screws with a recommended torque of 2.5 Nm to ensure proper tightening without damaging the terminals.

Wiring Instructions



NOTE:
The input power supply must be connected in the correct phase sequence

① Standby power neutral wire	⑤ Load power	⑨ Main power live wire
② Main power neutral wire	⑥ Load output neutral wire	⑩ Closing indication (Green: ON, Red: OFF)
③ Main power supply	⑦ Din-Rail buckle	⑪ Manual operation handle
④ Standby power supply	⑧ Standby power live wire	⑫ Load output live wire

Power indicator light status

When the power supply is under voltage, the indicator light flashes (Blink once).
When the power supply is in an overvoltage state, the indicator light flashes (Flashing twice).
When the power is cut off, the indicator light goes out.