



PRODUCT INTRODUCTION

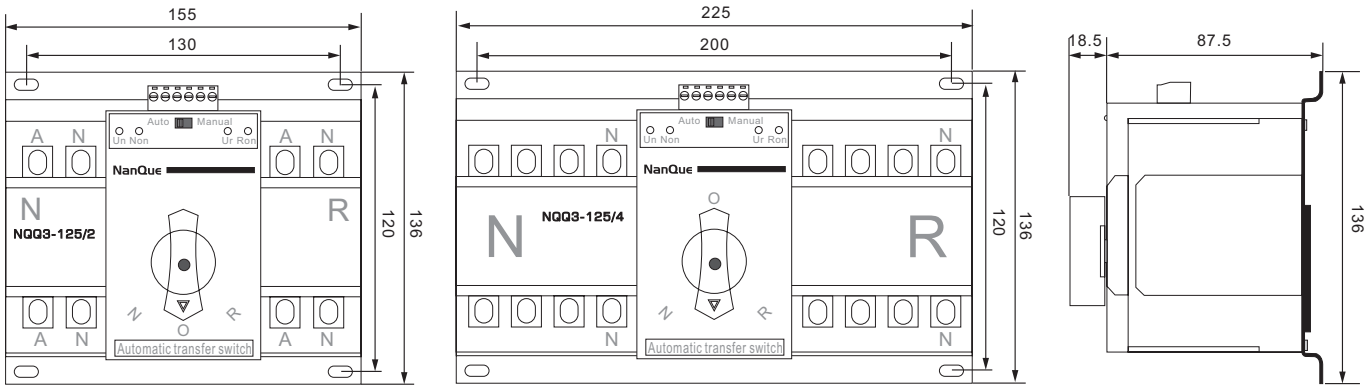
NQQ3 series Type double power automatic switching switch (hereinafter referred to as switch) is suitable for AC 50Hz or 60Hz, rated operating voltage 400V, rated operating current 63, grade a following double loop power supply system. The selective conversion between two power supplies may be required. The product has the functions of short circuit, overload, undervoltage and loss of voltage protection. It also has the functions of fire protection, double output and closing signal. The utility model is especially suitable for the installation and use of lighting circuits for office buildings, shopping malls, banks, stations, hospitals and high - rise buildings where fire protection requirements are required.

The ATS compliant with GB/T 14048.11 and IEC 60947-6-1 standard

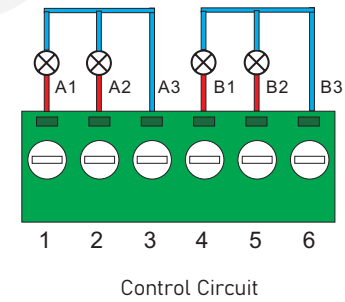
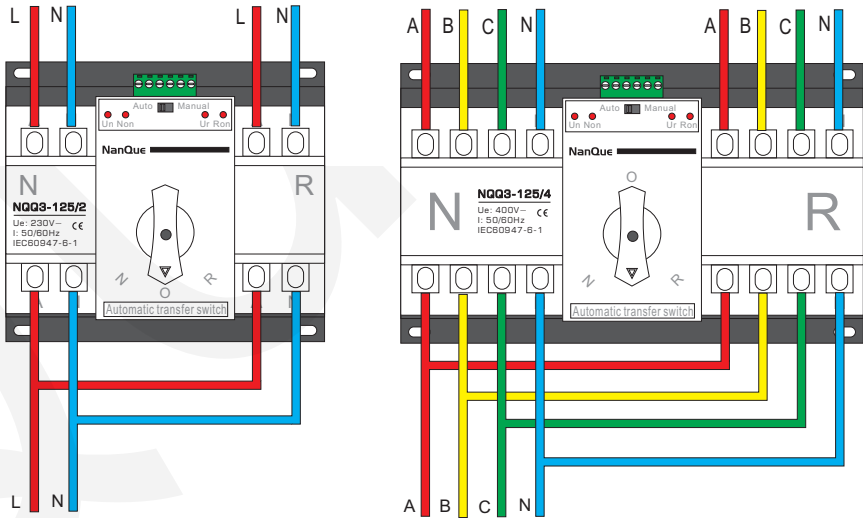
PARAMETERS

Product Model	NQQ3-125
Type	Grid (P) - Grid (P), Grid (P) - Oil Engine (G), Grid (P)-Photovoltaic(PV)
Electrical Characteristics	
Pole Number	2P, 4P
Rated Current Ie (A)	16, 20, 25, 32, 40, 50, 63, 80, 100, 125
Rated Voltage Ue (V)	110(customized), 230, 400, 415
Rated Insulation Voltage Ui (V)	800
Rated Withstand Impulse Voltage Uimp (kV)	8
Rated Impulse Withstand Current Icw (kA)	5/30ms
Rated Short - circuit Making Capacity Icm (kA)	8
Electrical category	PC Class
Usage Category	AC-33B
Operation Method	Auto, Manual
Contact Conversion Time (s)	0.6±20%
Conversion Action Time (s)	2.5±20%
Recovery Time (s)	2.5±20%
Power - off Time (s)	0.6±20%
Electromagnetic Compatibility Environment	Environment B
Mechanical Characteristics	
Mechanical Service Life (Times)	8000
Electrical Service Life (Times)	2000
Installation Characteristics	
Terminal	Tunnel - type Terminal
Maximum Torque (N.m)	3
Installation	Vertical Fixed Installation

SIZE (UNIT: MM)



WIRING METHOD



- 1: Electrical instructions
- 2: Commonly used closing instructions
- 3: Common zero contact
- 4: Backup has electrical instructions
- 5: Alternate closing instructions
- 6: Spare zero connection

note: When the switch is level 3, please connect the zero line to the 3 and 6 indicators for AC220V output, and no external power source is allowed, other voltage need to be customized.

PRECAUTIONS AND WARNING

- 1. Pre-operation Safety
Disconnect and verify both power sources are dead with a tester before operation. Never work on live units—risk of electric shock. Keep the area free of flammables or dust.
- 2. Mode Switching
Check voltage/frequency match before switching manual/auto modes. Avoid forced switching during load surges; may cause malfunctions or damage. Watch for jams/noises manually.
- 3. Maintenance Rules
Never skip insulation tests or interlock checks. Clean contacts with alcohol (no sandpaper). Ensure no simultaneous closing of two sources to prevent short circuits.
- 4. Load Limits
Never exceed rated current. Avoid sudden heavy inductive loads. Overload can weld contacts or trip circuits. Size ATS for load type, with 1.5-2x margin for inductive loads.
- 5. Abnormal Handling
Shut off both sources immediately if ATS switches frequently, smells odd, or flashes. No resetting—risk of fire. Only qualified technicians repair; test after fixing.