

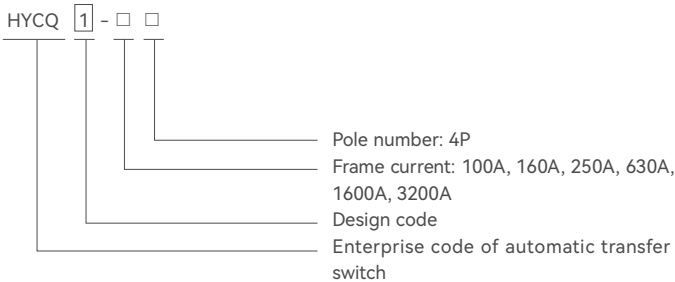


HYCQ1 Automatic Transfer Switches

Product features

- ◆ Installation performance is good.
- ◆ Using double-row composite contacts, horizontal pull mechanism, permanent magnet synchronous motor pre-storage and microelectronic control technology, it basically achieves zero arcing (without arc extinguishing cover).
- ◆ Adopt reliable mechanical interlock and electrical interlock.
- ◆ Using zero-crossing technology, it can be forced to zero in an emergency (cut off two power supplies at the same time), with obvious on-off indication, padlock and other functions, and reliably realize the isolation between the power supply and the load.
- ◆ High reliability, with a service life of more than 8,000 times.
- ◆ Integrated design, switch conversion is accurate, flexible and smooth.
- ◆ Good electromagnetic compatibility, strong anti-interference ability, no external interference.
- ◆ High degree of automation.
- ◆ The switch has multiple input/output interfaces, which is convenient for remote PLC control and system automation.
- ◆ Switch work without any external control components.
- ◆ Beautiful appearance, small size and light weight, the logic control board manages the motor directly installed in the switch with different logic, and the operation of the gearbox ensures the switch position.

Models description



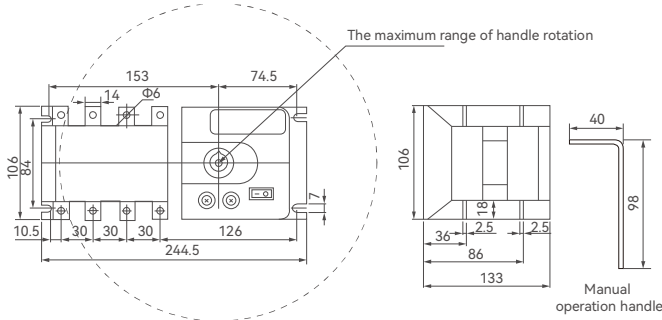
Conditions of Use

- ◆ Ambient air temperature: -25°C ~ +55°C .
- ◆ The altitude of the installation site shall not exceed 2000m.
- ◆ The pollution level is 3.
- ◆ The installation category is Class III.
- ◆ The main circuit usage categories are AC31B, AC33B, AC35B, AC33iB, and AC-33iB.
- ◆ Installation conditions: The switch body can be installed vertically or horizontally.

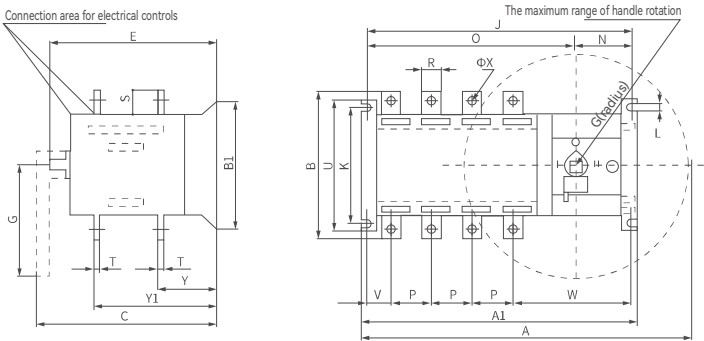
The main technical parameters

Conventional heating current Ith		20A	40A	63A	80A	100A	125A	160A	250A	400A	630A	800A	1000A	1250A	1600A	2000A	2500A	3200A
Rated insulation voltage Ui		800V									800V							
Rated impulse withstand voltage Uimp		8kV									12kV							
Rated working voltage Ue		AC400V																
Rated working current Ie	AC-66A	20	40	63	80	100	125	160	250	400	630	800	1000	1250	1600	2000	2500	3200
Rated short - time withstand current Ie		7kV					5kA		10kA	20kA		26kA		50kV		55kA		
Conversion time		≤ 5S																
Control supply voltage		AC220V																
Weight (kg)		7.0/3.5	7.2/3.5	7.2/3.5	7.2/3.5	7.5	7.5	8.8	9	16.5	17	32	36	40	49	95	98	125

HYCQ1-100 Outline Installation dimensions

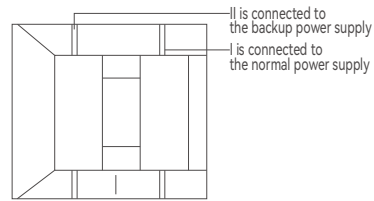
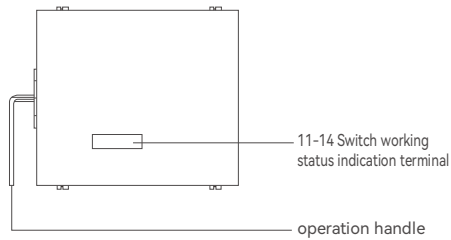


HYCQ1 -125~1600 Outline Installation dimensions

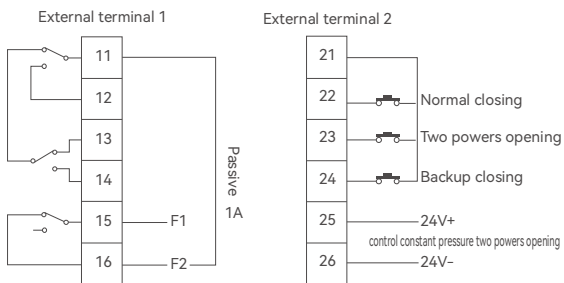


HYCQ1-100 wiring diagram

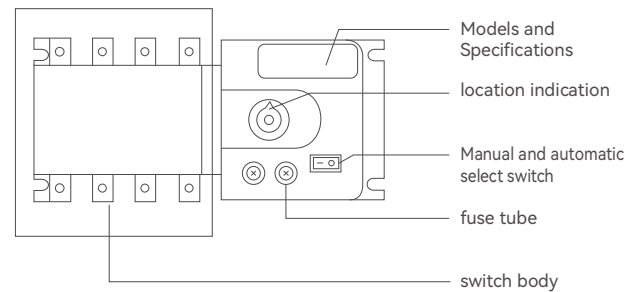
◆ Typical Wiring



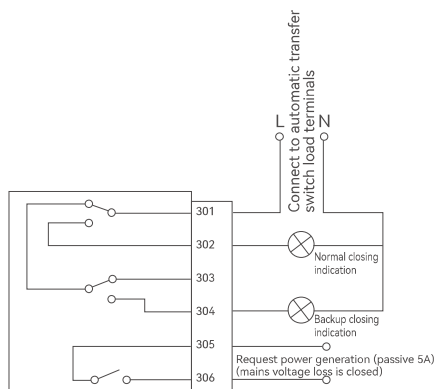
◆ Secondary terminal wiring diagram



◆ Switch Structure Description



HYCQ1-125~3200A basic secondary wiring diagram



HYCQ1-125~3200A fire control type secondary wiring diagram

