



HYCQ4 Automatic Transfer Switches

Featurse

- HYCQ4–125~800A automatic transfer switch is suitable for AC 50Hz, AC rated voltage to below 400V,The rated current of 125–800A is suitable for the mutual conversion of the two–way power supply of the emergency power supply system, and the power supply to the load is interrupted during the switching of the power supply.
- The switch works reliably under the following conditions:
- The height above sea level does not exceed 2000 meters;
- The ambient temperature is not higher than +40℃ , not lower than –5℃ ;
- The relative humidity of the air is not more than 95%;
- There is no explosion hazard medium, and the medium does not have enough gas and dust to corrode metal and
- destroy insulation;
- Places without significant shaking and shock vibration;
- Environment free from rain and snow;

Note: If the expected ambient temperature is higher than +45℃ or –5℃ ~–45℃ , please inform the manufacturer.

Model description

HYC Q 4 - □ / □

- Pole code:4P
- Rated operating current (A)
- Design serial code
- ATS drive code
- Enterprise code

Structure and Features

- Structure:
  The switch is made of DMC unsaturated polyester housing, permanent magnet synchronous motor. Transmission mechanism and spring energy storage acceleration mechanism.

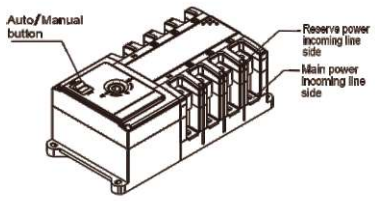
- Features:
  The switch has three operating functions:
  1. Manual handle operation;
  2. Automatic control operation;

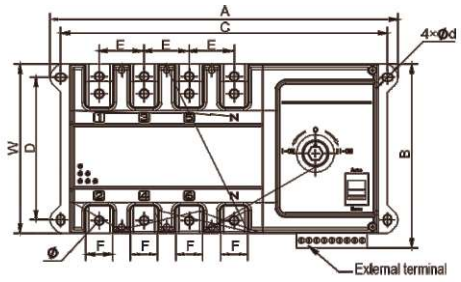
  The switch has three status positions I 0 II

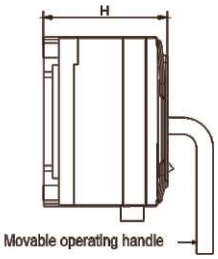
The main technical parameters

Model	HYCQ4-125	HYCQ4-250	HYCQ4-800
Rated current (A)	16,20,25,32,40,63,80,100,125	125,160,200,250	315,400,500,630,700,800
Rated insulation withstand voltage (V)	800	800	800
Rated impulse withstand voltage (kV)	8	8	8
Mechanical life	10000	10000	5000
use category	AC-33iB	AC-33iB	AC-33iB

Shape and installation dimensions



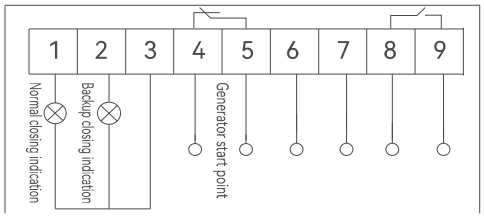




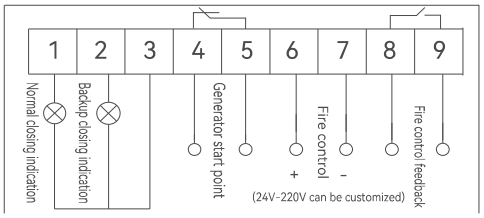
Specification	A	B	C	D	E	F	H	Φ
HYCQ4-125	232	122	218	95.5	30	18	83	6
HYCQ4-250	300	153	287	128	36	23	122	8
HYCQ4-800	432	257	410	218	58	44	195	12

Secondary wiring diagram

Basic type



Fire control type



1. Manual and automatic selection switch: the control switch internal control circuit power supply.
   When automatic is selected, the switch realizes automatic switching. When manual is selected, the switch can only be operated by the handle.
2. Operation handle: When using the operation handle to operate the switch, the button must select the manual state.
3. Position indication: Table surface switch working status position (IN, ○ , IR)
4. Main body of the switch: the front part is the II way, which is connected to the "backup power supply"; the rear part is the I way, which is connected to the "normal power supply".