SIWO
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Disconnect switch usage summary

1、manual can not operate

1.1 Failure reasons : The switch is short tolerant beyond the rated limit resulting in a short circuit caused by contact welding。

Remedy: Replace the product dynamic contact or the whole switch.

2、The output is out of phase

Field fault description: switch into the terminal and the terminal has a non-conduction phenomenon. (Can be measured with a multimeter guide)

2.1 Failure reasons: switch the upper part of the component or power supply phase (available multimeter to measure the upper power supply).

Remedy: Check the upper line. (Requires on-site electrical cooperation).

2.2 Failure reasons: product contact with the field wiring bronze connection, the external force caused by excessive deformation of the product contact sheet.

Remedy: site adjustment product contact piece shape, such as the scene can not be adjusted, need to return to the factory to replace the contact film.

3、The door is not closed

Field fault description: switch for the cabinet outside the operation, the switch after the gate, the door is not closed, extended shaft and cabinet handle can not be connected.

3.1 Failure reason: the lengthened shaft is not fixed or with the handle is not caused by a horizontal line.

Remedy: lengthen the shaft fixed, so that the axis and the handle level.

3.2 Failure reasons: the door door dislocation.

Remedy: Adjust the opening position.

4、single-phase burned

Field fault description: switch single-phase contact piece or single-phase shell with color change and other phenomena. Switch temperature rise too high.

4.1 Failure reasons: single-phase long-term overload.

Remedy: Replace the switch.

4.2 Failure reasons: Poor contact of the terminal or outlet terminals.

Remedy: Reconnect and tighten the bad position.

4.3 Failure reasons: the bottom of a number of short-circuit, or cause switch contact welding.

Remedy: Replace the product moving, static contact or replace the entire product.

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Disconnector Fuse Group Use Problem Summary

1、Single phase burned

Field performance: switch single-phase contact piece or single-phase shell color change yellow and other phenomena, the switch temperature is too high.

Failure reasons:

1. Contact with the melt contact with the poor.
2. Contact piece and copper discharge virtual connection.
3. The switch inside into the dust caused by poor contact.

Remedy: Return to factory repair or replace the switch.

2、The output is out of phase

Field performance: switch into the terminal and the terminal has a non-conduction phenomenon. (Can be measured with a multimeter guide)

Cause of failure:

1. fuse protection fuse. (Replacement fuse)
2. The upper contact of the system has a virtual part. (Detection system wiring) 3. Contact piece and copper discharge virtual connection. (Cause of wiring)
4. The switch inside into the dust caused by poor contact.

Remedy: return to factory maintenance. (Customer reasons need to be sold)

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Automatic transfer switch usage summary

1、automatic conversion:

Field fault description: switch can not automatically switch to the main power supply or standby power, manual can be converted.

1.1 Failure reasons: the scene power quality problems, power phase or phase angle imbalance.

Remedy: Measure the power quality with a multimeter, check the mains or standby power supply voltage, the phase is normal.

If there is a problem with the power supply, the need for on-site electrician inspection line and maintenance.

1.2 Failure reasons: The zero line of the three-stage switch is not wired.

Remedy: Check whether the secondary side of the switch (green six-pin) is properly wired. SIWOQ1, Q2, SIWOQ4 series of products to see 61 and 62 zero line terminals are connected into the line N on the row. SIWOQ3 series of products to see 305 and 306 zero line terminals are connected into the line N on the row. You can use a multimeter to measure the voltage between the terminal and the contact between the situation to determine whether the normal zero line.

1.3 Failure reasons: The switch auto signal is not wired or missing.

Remedy: check SIWOQ1, Q2 switch side of the 21 and 22 terminals are shorted, can be used multimeter conduction block measurement conduction situation; SIWOQ3 and SIWOQ4 product to see whether the key hit the automatic transmission, and in the rotation of the key attention to the internal micro Whether the switch action, to ensure that the switch automatically issued.

1.4 Failure reasons: the scene of the product sequence reverse.

Remedy: the scene to adjust the copper phase sequence.

1.5 Failure reasons: SIWOQ4-160A ~ 630A products automatically do not convert, circuit breaker trip.

Remedy: Operate the "Reset" button on the switch controller panel to reset the circuit breaker. If it can not be converted after reset, it is recommended to return to the factory.

2、No position signal output

Field fault description: Power distribution panel panel corresponding to the location indicator light does not shine.

2.1 Failure reason: Wrong factory wiring error.

Remedy: inspection site switch secondary wiring. The switch side board terminal 51 (301) is a common terminal, 52 (302) is I bit, 53 (303) is bit 0, and 54 (304) is II bit (position display terminal is passive terminal, external AC220V or DC24V power supply).

3、Manual operation is invalid

Field fault description: handle slip or manual operation does not move.

3.1 Failure reasons: the current is too large, leading to internal welding switch welding.

Remedy: return to factory maintenance.

4、The output is out of phase

Field fault description: switch switch in place, the outlet side of the phenomenon of missing phase.

4.1 Failure reasons: contact with the field wiring copper connection is not tight.

Remedy: Tighten the screws.

5、Cast I do not vote II or throw zero and so on

Field fault description: automatic conversion when switching is not normal.

Cast I, do not vote II; or cast II does not vote for I; or cast O and so on.

5.1 Failure reasons: on-site power supply does not meet the requirements.

Remedy: Use a multimeter to measure whether the power supply is 380V and make sure the power supply is not phase loss. If the type II product (over, under voltage detection) to detect the power supply voltage, the power supply voltage exceeds 264V (phase voltage) for overvoltage. Do not meet to explain to the customer, requiring customers to adjust.

5.2 Failure reasons: The line voltage is too high to exceed the protection value of the switch, causing the control panel transformer to burn out.

Remedy: Consult with the customer, signed and signed by the customer. Adjust the voltage protection value.

6、Control part of the short circuit

Field fault description: automatic conversion and so on.

6.1 Failure reasons: Phase sequence connection error.

Remedy: adjust the phase sequence.

6.3 Failure reasons: the site environment is bad.

Remedy: wet and dust will affect the control panel to work, should be explained to the customer.

6.3 Failure reasons: the site staff during debugging caused by the phase short circuit.

Remedy: If the sampling line is normal, replace the control board. If the sampling line is burned, rewiring is required.