

ZCKJ1 body – Can't replace the XE2SP2151 NC+NO by the XE2NP2131 NO+NO : Why?

XCK limit switch series with interchangeable contacts

Mechanical coding in the ZCK contact body for NC contact with positive opening operation

Simply easy!TM



Telemecanique

Sensors

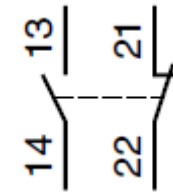
ZCKJ1 body – Can't replace the XE2SP2151 NC+NO by the XE2NP2131 NO+NO : Why?



- Difference between XE2SP2151 and XE2NP2131 contact blocks

- XE2**S**P2151

- Snap action contacts (S)
 - NC + NO, NC positive opening operation
 - Used in the ZCKJ1, ZCKM1, ZCD21, ZCP21 for example
 - Pictures



front

rear



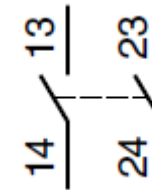
ZCKJ1 body – Can't replace the XE2SP2151 NC+NO by the XE2NP2131 NO+NO : Why?



- Difference between XE2SP2151 and XE2NP2131 contact blocks

- XE2NP2131

- Slow break contacts (N)
- NO+NO, no positive operation
- Used in the ZCKJ8, ZCKM8, ZCD28, ZCP28 for example
- Pictures



front



rear



- Main casing difference : mechanical coding in the rear, meaning it is not possible to replace the XE2SP2151 having 1 NC positive opening by the XE2NP2131 without NC positive opening. The concerned ZCK or ZC bodies have the same difference.

ZCKJ1 body – Can't replace the XE2SP2151 NC+NO by the XE2NP2131 NO+NO : Why?



- Why does it exist such difference

- General rule for our XCK limit switches, applied for safety reason.
- All the contact bodies delivered with a contact block having at least a NC contact positive opening operation, can receive all the other contact block having too a NC positive opening with possible changing snap action --> slow break or opposite
- In such bodies, you cannot put a contact block which does not have any NC contact positive opening. To apply this rule the contact bodies have some mechanical coding, explaining the 2 rears of both contact enclosures.

- Solution to solve

- For the XCKJ series, selects :
 - either the ZCKJ8 or the ZCKJ8D contact body with integrated XE2NP2131 contacts,
 - either the 3 contact-block XE3NP2151 : NC positive + 2 NO which can be put into the ZCKJ1 body for example.