

ENERGY AUTOMATION PRODUCTS

Reyrolle 7PJ13

Trip circuit supervision

[siemens.com/reyrolle](https://www.siemens.com/reyrolle)



Fitted with flush mounting



Compact design



Continuous supervision of trip circuit in pre-closed condition

The 7PJ13 Trip Circuit Supervision Relay is an electronic-circuit based relay and is a member of Siemens Reyrolle protection devices product family. It is used to monitor and supervise the integrity of a circuit-breaker's trip coil and other wiring circuits.

The 7PJ13 is wired to the circuit-breaker circuit to monitor the trip circuit positions. A trip circuit failure alarm is given, if the trip circuit supply is disconnected or if the trip circuit connection becomes open circuit. The Trip Circuit supervision relay measures the continuity of current in the trip circuit and provides supervision in Pre-close, Post-close and latched trip conditions.

The 7PJ13 is available in 2 variants depending on the auxiliary voltage range. Dual colored LED on the fascia indicates the status of the process.

Applications

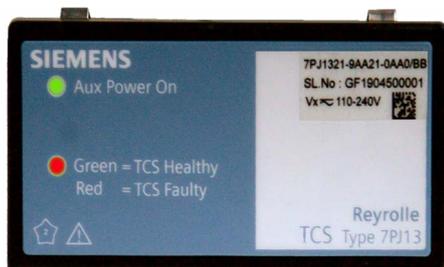
The 7PJ13 Trip Circuit Supervision Relay is used in the following field applications:

- Supervising and monitoring. The trip circuit wiring is supervised from the positive supply to the negative supply when the circuit-breaker is in open or closed position.
- Detecting a failure in the trip circuit and generating an alarm.
- Providing an alarm if the trip signal is received but the circuit-breaker fails to operate

Hardware construction

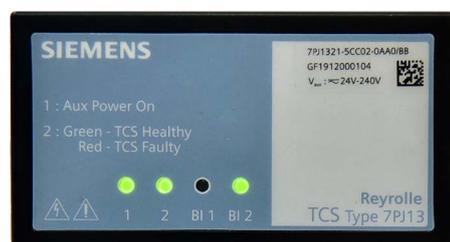
The device is housed in a non draw-out case designed for panel mounting.

The rear connection comprises of user friendly pluggable type terminals.



Front View

MLFB's 7PJ1321-5AA21-0AA0/7PJ1321-4AA21-0AA0



Front View

MLFB 7PJ1321-5CC02-0AA0

Power supply

Auxiliary voltage range V_{rated}

DC 24 V to 240 V/AC 24 V to 240 V

DC 110 V to 240 V/ AC 110 V to 240 V

Binary inputs

BI threshold/operating voltage

DC 19 V

AC 40 V/DC 40 V

Degree of protection

IEC 60529

IP54 front

IP20 rear

Electrical tests

IEC 60255-27

IEC 60255-26

Product safety test

IEC /EN 60255-27

IEC 61010-1

Temperature

IEC 60068-2-1/IEC 60068-2-2/IEC 60255-1/

IEC 60068-2-14

Trip Circuit Supervision Relay (Global Region)

7PJ1321-4AA21-0AA0

- Number of Binary Inputs: Element 2
- Contact Reset Type: Self reset
- Auxiliary Voltage Range: AC 110 V to 240 V/ DC 110 V to 240 V
- Contact Arrangement: 0 make contact, 0 break contact and 2 change-over contact
- Binary Input Range: DC 18 V to 265 V,
- Threshold DC 19 V

7PJ1321-5CC02-0AA0

- Number of Binary Inputs: Element 2
- Contact Reset Type: Self reset
- Auxiliary Voltage Range: AC 24 V to 240 V/DC 24 V to 240 V
- Contact Arrangement: 2 Make contact, 2 Break contact and 0 change-over contact
- Binary Input Range: AC 40 V to 240 V/DC 40 V to 240 V, Threshold AC/DC 40 V



Catalog Reyrolle 7PJ13



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The requested performance features are binding only when they are expressly agreed upon in the concluded contract.