

MS-Tester

for PTC-Relays Type MS

MS-Tester



Simple PTC-relays can be easily tested by interrupting the sensor-line.

At PTC-relays with monitoring the sensor for short-circuit and break this is not possible.

With the ZIEHL MS-Tester these relays can also be tested easily for correct function.

Test:

- Turn off supply-voltage of the tested relay
- disconnect output-side if necessary
- connect MS-Tester (T/0, T/1 and/or T/2) to the sensor-inputs
- switch on PTC-relay
- increase resistance slowly by turning the potentiometer until the according alarm switches
- reduce resistance until the relay in the MS switches back or the LED signals ready for switching back
- If necessary, the accurate switching-points can be evaluated by measuring the resistances between the terminals T/0, T/1 and T/2 after disconnecting the MS. The values are typically 3000Ω to 4000Ω for tripping and $>1500 \Omega$ for switching back.
- Test break of sensor with button (only relays with monitoring of sensor-break)
- Test short-circuit of sensor with button (only relays with monitoring of sensor-short-circuit))
- **ATTENTION:** At MSF 220 V(U) short-circuit or break of any sensor or fast rising of resistance will lead to a report of an error = alarm 1.
- **TIP:** Cold PTC have a resistance of $20 \dots 250 \Omega$, typically $50 \dots 120 \Omega$ per sensor.

The connection-cable (included) is cabled for the connection to a ZIEHL MSF 220 V(U), but other PTC-relays can be tested with the MS-Tester also.

Order-number: T 221734

