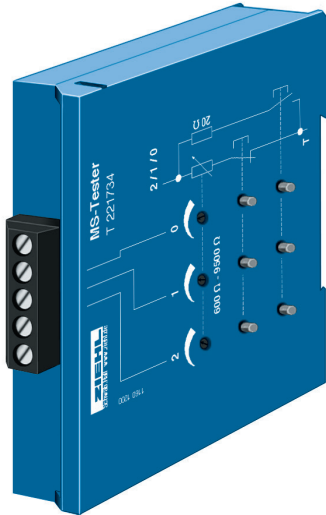


# MS-Tester

## 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

The connection-cable (included) is cabled for the connection to a ZIEHL MSF220V(U), but other PTC-relays can be tested with the MS-Tester also.

- 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 3000  $\Omega$  to 4000  $\Omega$  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 ... 250  $\Omega$ , typically 50 ... 120  $\Omega$  per sensor.

Order-number: T221734

