

PTC-Resistor-Relay Type MS(R)220VA

Single PTC-Circuit, ATEX-Approval according to Directive 2014/34/EU

MS220VA



PTC-relay for the application as a protection device against inadmissible heating up at electrical equipment in areas with explosive gases (zones 1 and 2) and areas with combustible dust (21 and 22), e.g. for direct temperature-monitoring of explosion-proof motors EEx e and EEx d. This compact version is especially suitable for mounting in fuse-boxes or power-distribution panels.

- ATEX-approval according to directive 2014/34/EU
- SIL 1 nach IEC 61508
- PL c nach ISO 13849

- 1 PTC-resistor (thermistor) set, each 3 or 6 PTC-sensors
- short-circuit monitoring of sensor-circuit
- output-relay with 1 change-over contact (co)
- 2 LEDs for ON and ALARM
- housing for mounting in fuse-boxes
- mounting height 55 mm, 35 mm wide
- assembly on DIN-rail or with 2 screws M4
- UL Recognized Component
- Option:
- - other supply-voltages



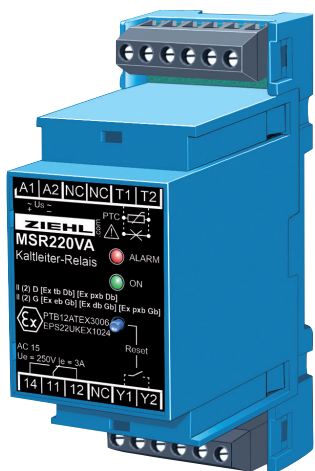
II (2) D [Ex tb Db] [Ex pxb Db]
II (2) G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb]



Part number:
T222415

AC 220-240 V

MSR220VA



Same execution as MS220VA, additionally with electronic reclosing lock. An alarm is stored until a reset is made.

- ATEX-approval according to directive 2014/34/EU
- SIL 1 nach IEC 61508
- PL c nach ISO 13849
- electronic reclosing lock (disconnectable)
- integrated RESET-button
- link for external reset
- automatic reset at voltage recovery
- UL Recognized Component
- Option:
- - other supply-voltages

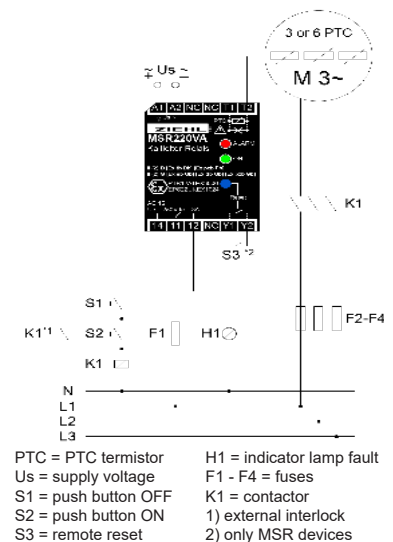


II (2) D [Ex tb Db] [Ex pxb Db]
II (2) G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb]



Part numbers:
T222435
T222431

AC 220-240 V
AC/DC 24 V



Technical Data

Rated supply-voltage U_s

connectable PTC-resistors
switching point
output relay
type of contact
test conditions
rated ambient temperature
dimensions (h x w x d)
attachment
protection housing/terminals
weight

AC 220 - 240 V $\pm 10\%$ 50/60 Hz ≤ 2 VA
AC/DC 24 V, AC $\pm 10\%$ DC 21- 30 V < 2 VA, without potential separation
3 or 6 in series according to DIN 44081 or 44082
 $< 4000 \Omega$
1 change-over contact (co)
type 2 see "general technical information"
see "general technical information"
-20...+55 °C
design V2: 90 x 35 x 58 [mm]
on 35 mm DIN-rail or with 2 screws M4
IP 30 / IP 20
app. 120 g