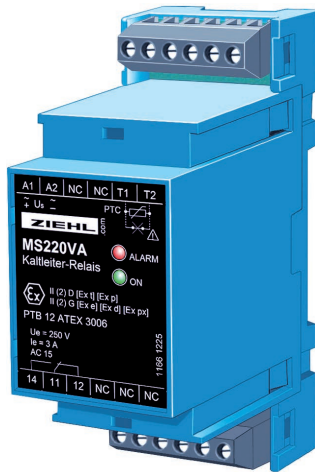


# PTC-Resistor-Relay Type MS(R)220VA

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 1...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



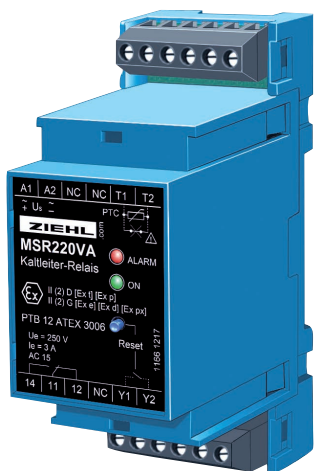
II (2) G [Ex e] [Ex d] [Ex px]  
II (2) D [Ex t] [Ex p]



**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

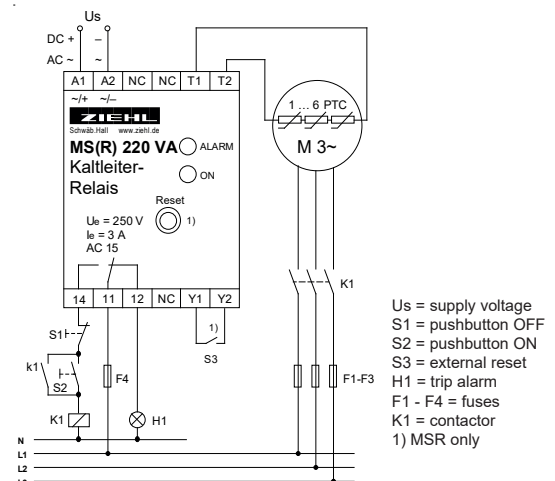


II (2) G [Ex e] [Ex d] [Ex px]  
II (2) D [Ex t] [Ex p]



**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  $\leq 2$  VA  
AC/DC 24 V, AC  $\pm 10\%$  DC 21- 30 V  $< 2$  VA, without potential separation  
1...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