

# PTC-resistor relay type MSF 220 SE

## for dry transformers, 2 PTC-circuits

### MSF 220 SE



The MSF 220 SE is a 2-channel PTC resistor relay. It is used favourably wherever an alarm has to be suppressed for a short period when applying the supply voltage.

- 2 PTC resistor sets
- 2 output-relays with change-over contacts (co)
- integrated timing-relay K3 to suppress an alarm-impulse when switching on supply voltage
- ALARM 1, i.e. for preliminary alarm
- ALARM 2, i.e. for switching off power on green LED
- ALARM 1 yellow LED
- ALARM 2 red LED
- time-delayed signal (2-4s) of K3 available at terminal 1 for external use

Thanks to the delayed switching-on of relay K3, the MSF 220 SE is especially suitable in applications, where an auxiliary voltage is not available and the secondary voltage of the monitored transformer is being used as supply voltage. As a consequence of this feature,

there will be no alarm case of failure of supply voltage. We recommend therefore the monitoring of the function of K3 at terminals 1 or 7.

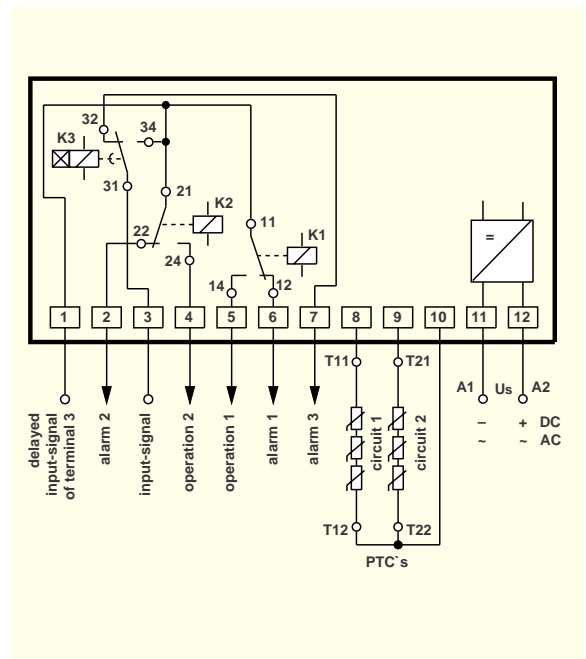
Order numbers:

AC 220 - 240 V

T 221691

DC 24 - 220 V

T 221690



### Technical data

rated supply voltage  $U_s$

AC 220 - 240 V  $\pm 10\%$ , 50/60 Hz,  $\leq 3$  VA

DC 24 - 220 V +35/ 15 %, < 3 VA

connectable PTC resistors  
switching point

2 x 1... 6 PTC according to DIN 44 081 or 44 082  
< 4000  $\Omega$

output relays

2 x 1 change-over contacts (co)

type of contact

type 2 (see "general technical informations")

test conditions

see "general technical informations"

rated ambient temperature  
range

-20... +55 °C

dimensions (h x w x d)  
attachment

design S 12: 82 x 42 x 121 [ mm ]  
on 35 mm DIN rail according to DIN EN 50 022  
or with screws M4

protection housing / terminals  
weight

IP 40 / IP 20  
approx. 290 g