

# PTC-Resistor-Relay Type MS 40 ZT

## for Elevators

### MS 40 ZT



The PTC-resistor relay MS 40 ZT monitors particularly engines at elevator cars and lifts.

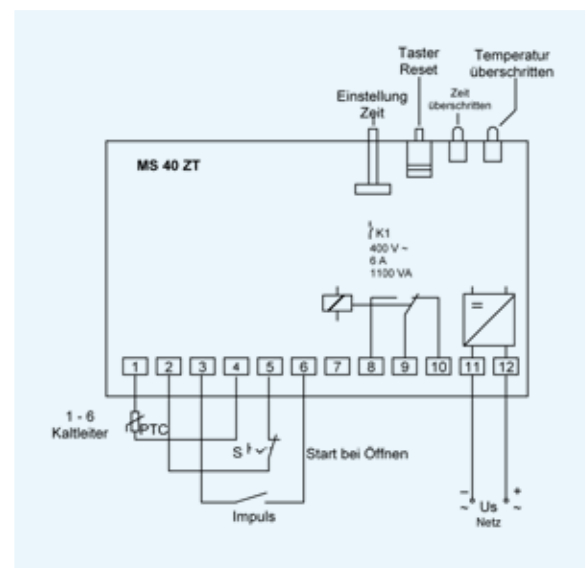
A pulse input monitors the movement of the elevator car as long as the motor is switched on.

- watchdog timing adjustable 5 - 50 s.
- temperature monitoring with PTC-resistor
- integrated RESET-button
- LED for temperatur alarm
- LED for watchdog alarm

At elevator systems the temperature of the motor and the travelling motion have to be monitored. With the car at rest and contact between terminals 2 and 5 closed, the integrated relay picks up (terminals 8, 9 connected). The time monitoring starts with the opening of the contact between terminals 2 and 5. Then the pulse input between terminals 3 and 6 must continuously open and close during travelling motion. When the pulse stops or the nominal

response temperature of the PTC-resistor is exceeded, the relay releases. Each disconnection is locked. A restart by pressing the RESET-button is only possible with closed contact between terminals 2 and 5 and low-resistive sensor.

Order number:  
AC 220 - 240 V **T 221120**



### Technical Data

Rated supply voltage  $U_s$   
connectable PTC resistors  
switching point  
output relay  
type of contact  
test conditions  
rated ambient temperature  
range  
dimensions (h x w x d) attach-  
ment

protection housing / terminals  
weight

AC 220 - 240 V  $\pm 10\%$ , 50/60 Hz, 3VA  
1... 6 PTC according to DIN 44 081 or 44 082  
< 4000  $\Omega$   
1 change-over contact (co)  
type 2 (see "general technical informations")  
see "general technical informations"  
-20... +55  $^{\circ}\text{C}$

design S 12: 82 x 42 x 121 [ mm ]  
on 35 mm DIN rail according to DIN EN 50 022  
or with screws M4  
IP 30 / IP 20  
approx. 280 g