

Monitoring Relays Thermistor Motor Protection

For PTC sensors

Circuit diagrams

Connection diagrams

Representation with control voltage applied

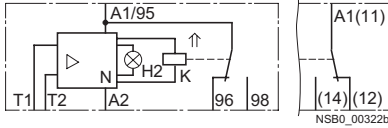
Representation with control voltage not applied

Representation with control voltage applied

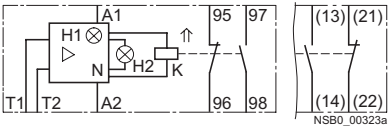
Representation with control voltage not applied

General item codes

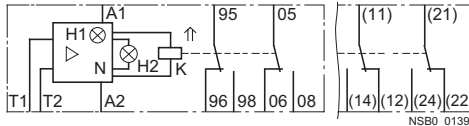
3RN10 00, 1 CO



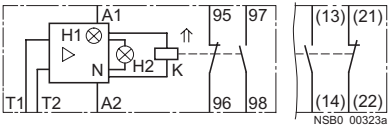
3RN10 10, 1 NO + 1 NC



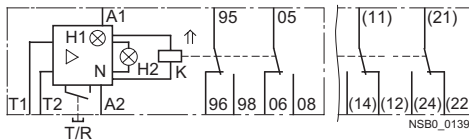
3RN10 10, 2 COs



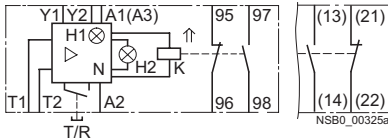
3RN10 11¹⁾, 1 NO + 1 NC



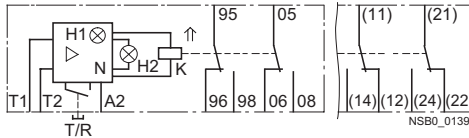
3RN10 11, 2 COs



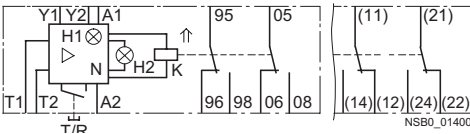
3RN10 12¹⁾, 1 NO + 1 NC



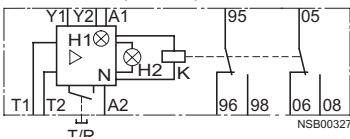
3RN10 11, 2 COs



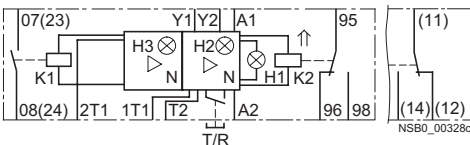
3RN10 13-...0 (monostable)



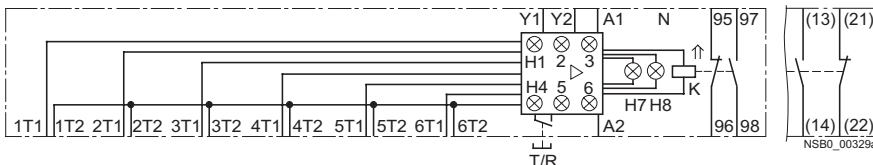
3RN10 13-...1 (bistable)



3RN10 22



3RN10 62



A1, A2, A3 Connections of the control voltage
N Amplifier
T/R TEST/RESET button
Y1, Y2 Connections for remote RESET (jumpered = auto-RESET)
↑ The double arrow indicates an operating status which deviates from the standard representation of the contact according to DIN 40900, Part 7 (in this case: position of the contacts when control voltage is applied to terminals A1 and A2)

Item code for 3RN10

H1 "READY" LED
H2 "TRIPPED" LED
K Output relay
T1, T2 Connections of the sensor loop

Item code for 3RN10 22

H1 "READY" LED
H2 "TRIPPED" LED
H3 "ALARM" LED
K1, K2 Output relay
1T1 and T2 Connections of the sensor loop
2T1 and T2 Connections of the sensor loop

△ Important!

Close unconnected sensor circuits

Item code for 3RN10 62

H1 to H6 LED for the tripped sensor loop
H7
H8 "READY" LED
K "TRIPPED" LED
1T1, 1T2 Output relay
to Connections of the first sensor loop
6T1, 6T2 Connections of the sixth sensor loop

△ Important!

Close unconnected sensor circuits

1) For units with combination voltages AC 230 V/110 V (3RN10 11-CK00 and 3RN10 12-CK00) the following applies:
A1 and A2: 230 V AC,
A3 and A2: 110 V AC.