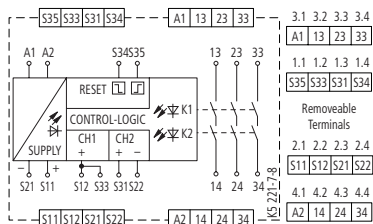
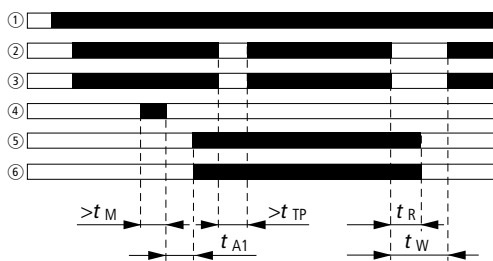


Safety relay for monitoring of Emergency-Stop applications and safety doors

ESR4-NO-30...(AC/DC 24 V)



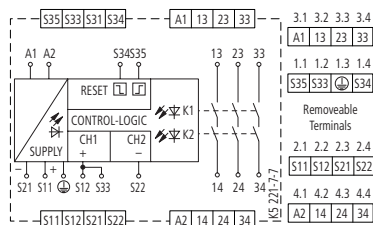
Manual start with manual reset



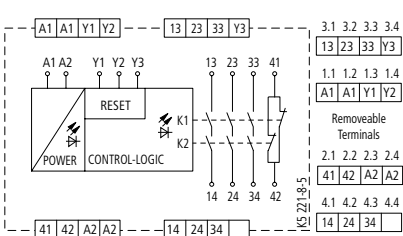
- ① A1/A2
- ② S12
- ③ S31/S32
- ④ S34
- ⑤ K1, K2
- ⑥ 13/14, 23/24, 33/34

t_M = Minimum closing delay
 t_{A1} = Pick-up time
 t_{TP} = Test pulse duration
 t_R = Reset time
 t_W = Recovery time

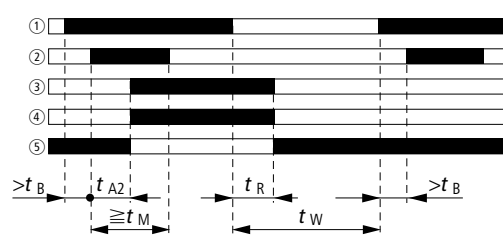
ESR4-NO-30...(AC 115/230 V)



ESR4-NO-31...(AC/DC 24 V)



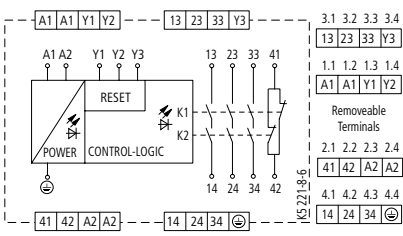
Manual start with reset button monitoring



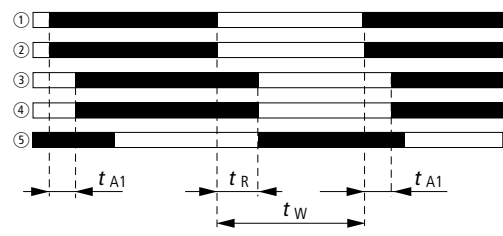
- ① A1, SUPPLY LED
- ② Y3
- ③ K1/K2, LED K1/K2
- ④ 13/14, 23/24, 33/34
- ⑤ 41/42

t_B = Stand-by delay
 t_{A2} = Pick-up time
 t_M = Minimum closing delay
 t_R = Reset time
 t_W = Recovery time

ESR4-NO-31...(AC 115/230 V)



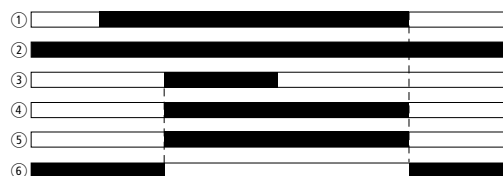
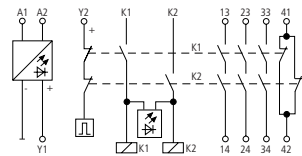
Automatic start



- ① A1, SUPPLY LED
- ② Y2
- ③ K1/K2, LED K1/K2
- ④ 13/14, 23/24, 33/34
- ⑤ 41/42

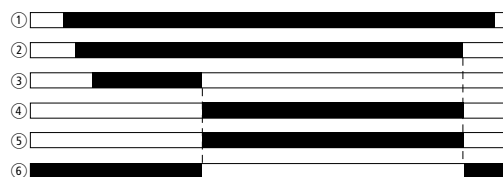
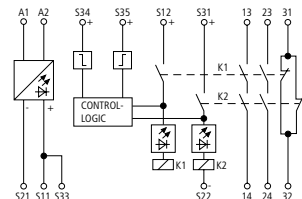
t_{A1} = Pick-up time
 t_R = Reset time
 t_W = Recovery time

ESR4-NO-31



- ① A1/A2 supply voltage, Power LED
- ② A2 supply voltage
- ③ Y2 Reset
- ④ K1, K2, LED K1/K2
- ⑤ 13/14, 23/24, 33/34
- ⑥ 41/42

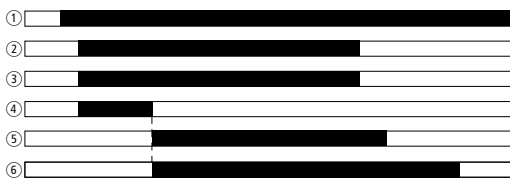
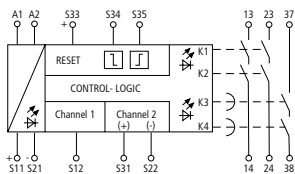
ESR4-NO-21



- ① A1/A2 supply voltage, Power LED
- ② S21/S22 Emergency-Stop
- ③ S34 Reset (with reset button monitoring)
- ④ K1, LED K1
- ⑤ K2, LED K2, 13/14, 23/24
- ⑥ 31/32

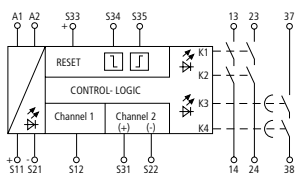
Safety relay for monitoring of Emergency-Stop applications and safety doors

ESR4-NV3(30)-30



- ① A1/A2 supply voltage, Power LED
- ② S12 Emergency-Stop (channel 1)
- ③ S31/S22 Emergency-Stop (channel 2)
- ④ S34 Reset (with reset button monitoring)
- ⑤ 13/14, 23/24, LED K1/K2
- ⑥ 37/38, LED K3/K4

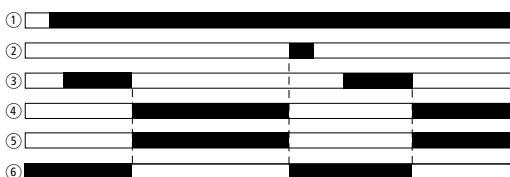
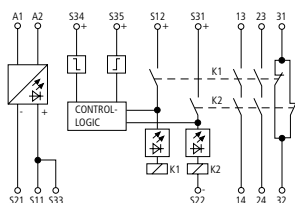
ESR4-NT30-30



- ① A1/A2 supply voltage, Power LED
- ② S12 Emergency-Stop (channel 1)
- ③ S31/S22 Emergency-Stop (channel 2)
- ④ S34 Reset (with reset button monitoring)
- ⑤ 13/14, 23/24, LED K1/K2
- ⑥ 37/38, LED K3/K4

Safety relay for contact mat monitoring

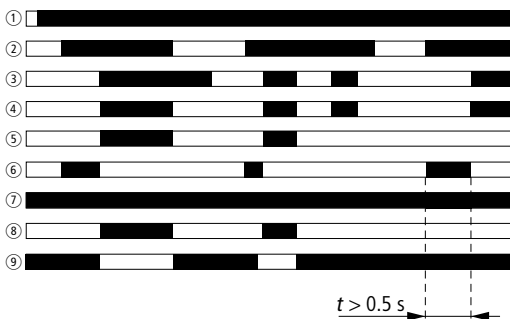
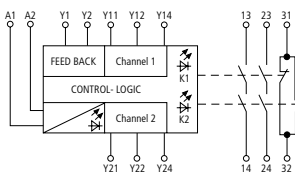
ESR4-NM-21



- ① A1/A2 supply voltage, Power LED
- ② S11/S21, S12/S22 contact mat
- ③ S34 Reset (with reset button monitoring)
- ④ K1, LED K1
- ⑤ K2, LED K2, 13/14, 23/24
- ⑥ 31/32

Two-hand relay

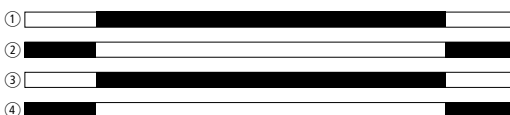
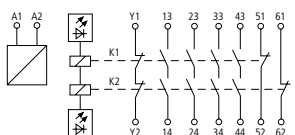
ESR4-NZ-21



- ① A1/A2 supply voltage, Power LED
- ② Actuator S1
- ③ Actuator S2
- ④ K1, LED K1
- ⑤ K2, LED K2
- ⑥ $t > 0.5 s$ monitoring
- ⑦ Y1/Y2 feedback
- ⑧ 13/14, 23/24
- ⑨ 31/32

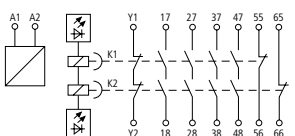
Contact expansion modules

ESR4-NE-42



- ① A1/A2 supply voltage
- ② Y1, Y2 feedback circuit
- ③ 13/14, 23/24, 33/34, 43/44, LED K1, LED K2
- ④ 51/52, 61/62

ESR4-VE3-42



- ① A1/A2 supply voltage
- ② Y1, Y2 feedback circuit
- ③ 17/18, 27/28, 37/38, 47/48, LED K1, LED K2
- ④ 55/56, 65/66