

- Installation design
- Width 17.5mm
- Three-way switch:
 - permanently OFF or ON, automatic
- Checkback signal of the switch setting 'AUTO'
- 1 change over contact



► Technical data

► 1. Functions

AUTO	automatic
0	permanently OFF
HAND	permanently ON

► 2. Indicators

Yellow LED ON/OFF: indication of relay output

► 3. Mechanical design

Self-extinguishing plastic housing, IP rating IP40
 Mounted on DIN-Rail TS 35 according to EN 50022
 Mounting position: any
 Shockproof terminal connection according to VBG 4 (PZ1 required), IP rating IP20
 Initial torque: max. 1Nm
 Terminal capacity:
 1 x 0.5 to 2.5mm² with/without multicore cable end
 1 x 4mm² without multicore cable end
 2 x 0.5 to 1.5mm² with/without multicore cable end
 2 x 2.5mm² flexible without multicore cable end

► 4. Input circuit

Supply voltage: 24V AC/DC terminals A1(+)-A2
 Signal voltage: 24V AC/DC terminals A3(+)-A2
 Tolerance: -15% to +10%
 Rated frequency: 48 to 63Hz
 Rated consumption: 0.5VA (0.5W)
 Duration of operation: 100%
 Reset time: -
 Residual ripple for DC: 10%
 Drop-out voltage: >10% of supply voltage

► 5. Output circuit

1 potential free change over contact
 Switching capacity (distance < 5mm): 1250VA (5A / 250V AC)
 Switching capacity (distance > 5mm): 2000VA (8A / 250V AC)
 Fusing: 8A fast acting
 Mechanical life: 20 x 10⁶ operations
 Electrical life: 2 x 10⁵ operations
 at 1000VA resistive load
 Switching frequency: max. 60/min at 100VA resistive load
 max. 6/min at 1000VA resistive load (according to IEC 947-5-1)
 Insulation voltage: 250V AC (according to IEC 664-1)
 Surge voltage: 4kV, overvoltage category III (according to IEC 664-1)

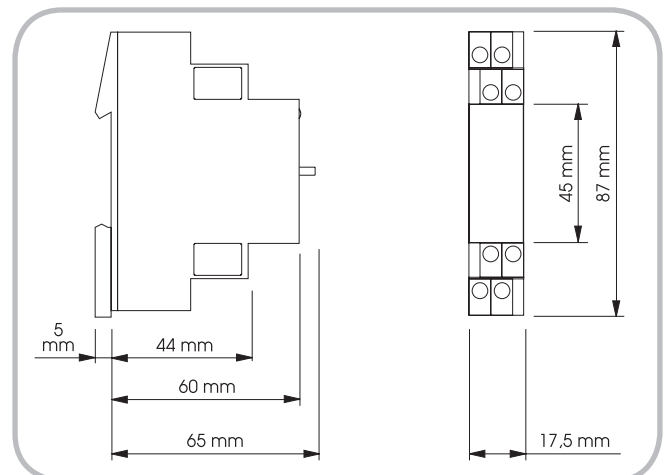
► 6. Check-back

Position 'AUTO': terminals B1-B2
 Maximal switching capacity: 24VA (500mA / 48V AC/DC)
 Minimal switching capacity: 5mVA (1mA / 5V AC/DC)
 Contact resistance: max. 20mΩ
 Electrical life: 3 x 10⁴ operations at maximum load

► 7. Ambient conditions

Ambient temperature: -25 to +55°C (according to IEC 68-1)
 Storage temperature: -25 to +70°C
 Transport temperature: -25 to +70°C
 Relative humidity: 15% to 85% (according to IEC 721-3-3 class 3K3)
 2, if built-in 3 (according to IEC 664-1)
 Pollution degree: 2, if built-in 3 (according to IEC 664-1)

► 8. Dimensions



Functions

Automatic (AUTO):

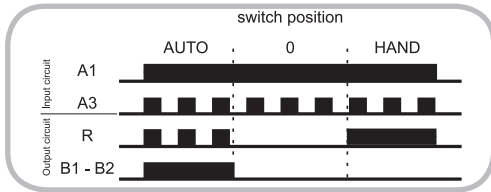
The contact of checkback B1-B2 is closed.
When the signal voltage U is applied at terminal A3 the output relay R switches into on-position (yellow LED illuminated).

Permanently OFF (0):

The contact of checkback B1-B2 is opened.
The output relay R remains in off-position independent from the connected signal voltage.

Permanently ON (HAND):

The contact of checkback B1-B2 is opened.
When the supply voltage U is applied at terminal A1 the output relay R switches into on-position (yellow LED illuminated).
Changes of the signal voltage do not influence the state of the output relay.



Connections

