- Installation design
- Width 17.5 mm
- Trigger 0 to 10VDC
- Checkback signal of the switch setting ,AUTO‘
- 1 change over contact



## Technical data

- 1. Functions

| AUTO | output according to input YR |
| :--- | :--- |
| 0 | permanently OFF |
| HAND | permanently ON |

- 2. Indicators

Green LED ON:
indication of supply voltage
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. 1 Nm
Terminal capacity:
$1 \times 0.5$ to $2.5 \mathrm{~mm}^{2}$ with/without multicore cable end
$1 \times 4 \mathrm{~mm}^{2}$ without multicore cable end
$2 \times 0.5$ to $1.5 \mathrm{~mm}^{2}$ with/without multicore cable end
$2 \times 2.5 \mathrm{~mm}^{2}$ flexible without multicore cable end

- 4. Input circuit

Supply voltage:
Tolerance:
Rated frequency:
Rated consumption: Duration of operation:
Reset time:
Residual ripple for DC:
Drop-out voltage:

- 5. Output circuit

1 potential free change over contact
Switching capacity (distance $<5 \mathrm{~mm}$ ): 1250 VA (5A / 250V AC)
Switching capacity (distance >5mm): 2000VA (8A / 250V AC)

Fusing:
Mechanical life:
Electrical Life:
Switching frequency:

Insulation voltage:
Surge voltage:

## 6. Measuring circuit

Input:
Input resistance:
Switching threshold:
Hysteresis:

8A fast acting
$20 \times 10^{6}$ operations
$2 \times 10^{5}$ operations at 1000 VA resistive load max. $60 / \mathrm{min}$ at 100VA resistive load max. $6 / \mathrm{min}$ at 1000 VA resistive load according to IEC 947-5-1) 250V AC (according to IEC 664-1) 4 kV , overvoltage category III (according to IEC 664-1)
ए

10V DC
terminals $\mathrm{YR}(+)-\mathrm{A} 2$
$10 \mathrm{k} \Omega$
1 to 10 V DC
fixed, approx. 10\%

- 7. Checkback

Setting ,AUTO':
Maximum switching capacity: 56VA (2A / 28 V AC/DC)
Minimum switching capacity: 5 mVA ( $1 \mathrm{~mA} / 5 \mathrm{~V}$ AC/DC)
Contact resistance:
Electrical life:
$3 \times 10^{4}$ operations at maximum load
8. Accuracy

Base accuracy:
Adjustment accuracy:
$\pm 1 \%$ (of maximum scale value) $\pm 10 \%$ (of maximum scale value)
Repetition accuracy:
Voltage influence:
Temperature influence: $\quad \leq 0.01 \% /{ }^{\circ} \mathrm{C}$
9. Ambient conditions

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

## Functions

## Automatic (AUTO)

The contact of checkback B1-B2 is closed.
The output relay R switches into on-position (yellow LED illuminated) when the signal voltage applied at the terminals YR-A2 exceeds the value adjusted at the regulator. The output relay switches into offposition (yellow LED not illuminated) when the signal voltage falls below the set value by more than the fixed hysteresis.

## Permanently OFF (0)

The contact of checkback B1-B2 is opened.
The output relay R remains in off-position (yellow LED not illuminated) 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 $A 1$ 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



## Dimensions



