- Trigger 2 to 20mA DC
- Checkback signal of the switch setting ‚AUTO'
- 1 Change-over contact
- Width 17.5mm
- Installation design

Technical data

1. Functions

AUTO	output according to 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. 1Nm

Terminal capacity:
- 1 x 0.5 to 2.5mm^2 with/without multicore cable end
- 1 x 4mm^2 without multicore cable end
- 2 x 0.5 to 1.5mm^2 with/without multicore cable end
- 2 x 2.5mm^2 flexible without multicore cable end

4. Input circuit

Supply voltage:

24V AC/DC	terminals A1(+)-A2
Tolerance:	-15% to +10%
Rated frequency:	48 to 63Hz
Rated consumption:	0.4VA (0.4W)
Duration of operation:	100%
Reset time:	-
Residual ripple for DC:	10%
Drop-out voltage:	>30% 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 10^6 operations
Electrical life:	2 x 10^5 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. Measuring circuit

Input:

20mA DC	terminals YR(+)-A2
Input resistance:	500Ω
Switching threshold:	2 to 20mA DC
Hysteresis:	fixed, approx. 10% (of threshold)

7. Checkback

Setting ‚AUTO':	terminals B1-B2
Maximal switching capacity:	56VA (2A / 28V AC/DC)
Minimal switching capacity:	5mVA (1mA / 5V AC/DC)
Contact resistance:	max. 20mΩ
Electrical life:	3 x 10^4 operations at maximum load

8. Accuracy

Base accuracy:	±5% (of maximum scale value)
Adjustment accuracy:	±10% (of maximum scale value)
Repetition accuracy:	-
Voltage influence:	-
Temperature influence:	≤0.01% / °C

9. Ambient conditions

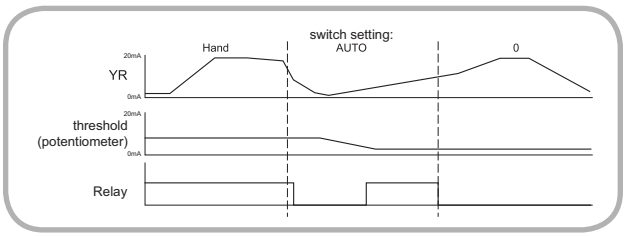
Ambient temperature:	-25 to +55°C (according to IEC 68-1)
Storage temperature:	-25 to +70°C
Transport temperature:	-25 to +70°C
Relative humidity:	15% to 85% (according to IEC 721-3-3 class 3K3)
Pollution degree:	2, if built-in 3 (according to IEC 664-1)

Functions

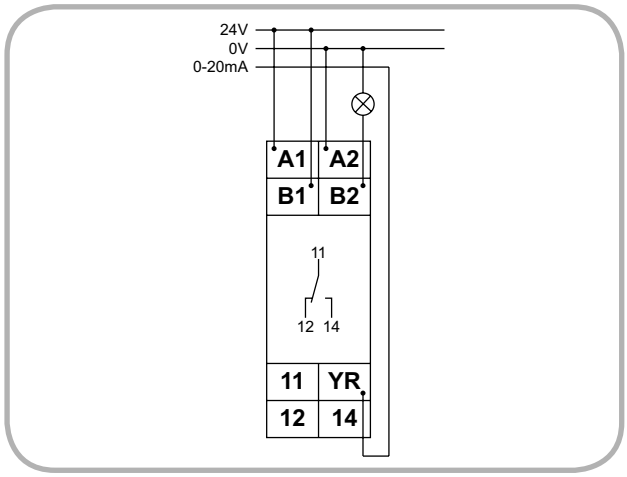
Automatic (AUTO)
The contact of checkback B1-B2 is closed.
The output relay R switches into on-position (yellow LED illuminated) when the signal voltage applied at the terminals YR-A2 exceeds the the value adjusted at the regulator. The output relay switches into off-position (yellow LED not illuminated) 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 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



Dimensions