Coupling relays - OCTO series

- 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 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

max. 1Nm Initial torque:

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: Signal voltage: Tolerance: 24V AC/DC 24V AC/DC terminals A1(+)-A2 terminals A3(+)-A2

-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% >10% of supply voltage Drop-out 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: Mechanical life: 8A fast acting 20 x 10⁶ operations 20 x 10⁵ operations at 1000VA resistive load max. 60/min at 100VA resistive load max. 6/min at 100VA resistive load Electrical life:

Switching frequency:

(according to IEC 947-5-1) Insulation voltage:

250V AC (according to IEC 664-1) 4kV, overvoltage category III (according to IEC 664-1) Surge voltage:

6. Check-back

terminals B1-B2 24VA (500mA / 48V AC/DC) 5mVA (1mA / 5V AC/DC) Position 'AUTO': Maximal switching capacity: Minimal switching capacity: Contact resistance:

max. $20m\Omega$ 3 x 10^4 operations Electrical life: at maximum load

7. Ambient conditions

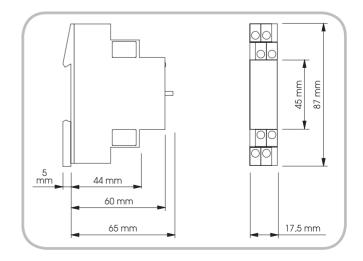
Ambient temperature: -25 to +55°C (according to IEC 68-1) Storage temperature: -25 to +70°C

Transport temperature: -25 to +70°C Relative humidity:

15% to 85% (according to IEC 721-3-3 class 3K3) 2, if built-in 3 Pollution degree:

(according to IEC 664-1)

8. Dimensions



Functions

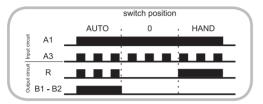
Automatic (AUTO): The contact of checkback B1-B2 is closed. When the signal voltage U is applied at terminal A3 the output relay R switches into on-position (yellow LED illuminated).

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):

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

