

## Single function time relay

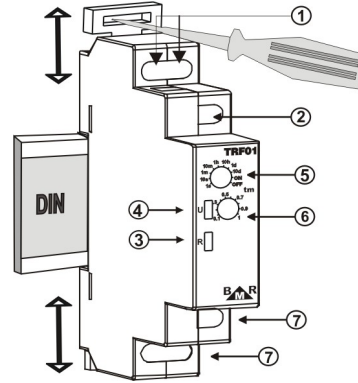
### 1. Device description

TRF01 is a single-function relay for delay release after control contact disconnection, with immediate output reaction. It is possible to set time out from 0,1 sec till 10 days. Another operating states: timer always ON and timer always OFF. Relay has one output double-throw contact 8 A.

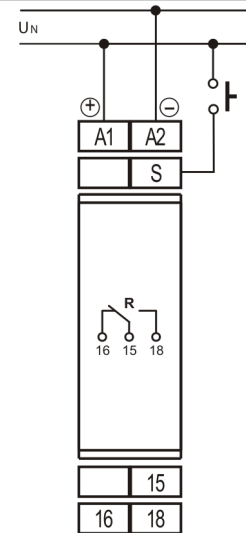
#### Terminal description:

- ① Supply voltage
- ② Control input START
- ③ Output indication
- ④ Supply voltage indication
- ⑤ Time adjustment
- ⑥ Time fine-adjustment
- ⑦ Outputs

#### Terminal placement:



#### Connection diagram:



### 2. Function

**Function** - delay on release after control contact disconnection, with immediate output reaction



### 3. Technical features

| Parameter                                 | Value   |
|---|---|
| Supply voltage:                           | 12 VAC, VDC to 230 VAC  |
| Supply terminals:                         | A1, A2  |
| Power consumption:                        | max. 1,5 VA   |
| Number of functions:                      | 1   |
| Supply voltage indication:                | green LED   |
| Timing indication:                        | yellow LED blinking   |
| Time adjustable ranges:                   | 0,1 sec to 10 days  |
| <b>Output parameters:</b>                 |   |
| Number and type of contacts:              | 1x changeover contact   |
| Nominal current:                          | 8 A   |
| Switching power:                          | max. AC 2000 VA   |
| Trigger current:                          | 30 A  |
| Nominal voltage / max. switching voltage: | 250 VAC / 440 VAC   |
| Mechanical lifetime:                      | 3 x 10 <sup>7</sup>   |
| Electrical lifetime:                      | 1 x 10 <sup>5</sup> 250 VAC, 8A   |
| <b>Others:</b>                            |   |
| Working temperature:                      | -20 .. +55 °C   |
| Storage temperature:                      | -40 .. +70 °C   |
| Working position:                         | any   |
| Mounting:                                 | IEC 60715 (DIN 35)  |
| Protection degree:                        | IP 40 on panel / IP 20 terminals  |
| Electrical strength:                      | 4 kV  |
| Input wire diameter with/without cavern:  | max. 2x1,5mm <sup>2</sup> ; 1x2,5mm <sup>2</sup> / max. 2x1,5mm <sup>2</sup> ; 1x2,5mm <sup>2</sup> |
| Weight:                                   | 75 g  |
| Dimensions:                               | 90 x 18 x 65 mm   |
| Standards:                                | IEC 60255-6, IEC 61010  |



#### Note

*When the time interval is being adjusted, it is not necessary to disconnect supply voltage.*