

## DATA SHEET: TIMERS ZR5R0011



### SCHRACK-INFO

- Wide input voltage range
- 1 change over contact
- Width 17,5 mm
- Installation design

### TECHNICAL DATA

#### 1. Functions

The function has to be set before connecting the relay to the supply voltage.

R OFF delay

#### 2. Time ranges

Time range	Adjustment range	
1 s	50 ms	1 s
10 s	500 ms	10 s
1 min	3 s	1 min
10 min	30 s	10 min
1 h	3 min	1 h
10 h	30 min	10 h
100 h	5 h	100 h

#### 3. Indicators

Green LED U/t ON: indication of supply voltage  
 Green LED U/t flashes: indication of time period  
 Yellow LED R ON/OFF: indication of relay outputs

#### 4. 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  
 Tightening torque: max. 1 Nm  
 Terminal capacity:

- 1 x 0.5 to 2.5 mm<sup>2</sup> with/without multicore cable end
- 1 x 4 mm<sup>2</sup> without multicore cable end
- 2 x 0.5 to 1.5 mm<sup>2</sup> with/without multicore cable end
- 2 x 2.5 mm<sup>2</sup> flexible without multicore cable end

#### 5. Input circuit

Supply voltage: Terminals A1(+)-A2  
 Types ZR5..24-240 V AC/DC: 24 to 240 V AC/DC  
 Tolerance: 24 V-15% to 240 V+10%  
 Rated consumption: 4 VA (1.5 W)  
 Rated frequency: AC 48 to 63 Hz  
 Duty cycle: 100%  
 Reset time: 100 ms  
 Residual ripple for DC: 10%  
 Drop-out voltage: >30% of minimum rated supply voltage  
 Overvoltage category: III (according to IEC 60664-1)  
 Rated surge voltage: 4 kV

#### 6. Output circuit

1 potential free change over contact  
 Rated voltage: 250 V AC  
 Switching capacity: 2000 VA (8 A / 250V)  
 Fusing: 8 A fast acting  
 Mechanical life: 20 x 10<sup>6</sup> operations  
 Electrical life: 2 x 10<sup>5</sup> operations  
 at 1000 VA resistive load  
 max. 60/min at 100 VA resistive load  
 max. 6/min at 1000 VA resistive load  
 (according to IEC 947-5-1)  
 Overvoltage category: III. (according to IEC 60664-1)  
 Rated surge voltage: 4 kV

#### 7. Control input

Input not potential free: Terminals A1-B1  
 Loadable: yes  
 Max. line length: 10m  
 Trigger level (sensitivity): automatic adaption to supply voltage  
 Min. control pulse length: DC 50 ms / AC 100 ms

#### 8. Accuracy

Base accuracy: ±1% of maximum scale value  
 Adjustment accuracy: <5% of maximum scale value  
 Repetition accuracy: <0.5% or ±5 ms  
 Voltage influence: -  
 Temperature influence: ≤0.01% / °C

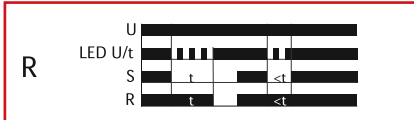
#### 9. Ambient conditions

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)  
 Vibration resistance: 10 to 55 Hz 0.35 mm  
 (according to IEC 68-2-6)  
 Shock resistance: 15 g 11 ms  
 (according to IEC 68-2-27)

## FUNCTIONS

### OFF delay (R)

The supply voltage U must be constantly applied to the device (green LED U/t illuminated). When the control contact S is closed, the output relay R switches into on-position (yellow LED illuminated). If the control contact is opened, the set interval t begins (green LED flashes). After the interval t has expired (green LED U/t illuminated) the output relay switches into off-position (yellow LED not illuminated). If the control contact is closed again before the interval t has expired, the interval already expired is erased and is restarted.



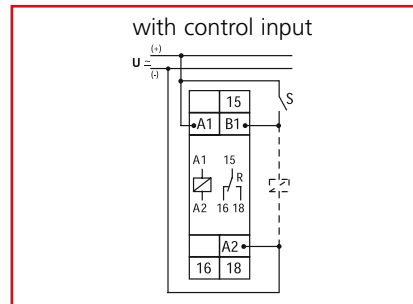
## WEIGHT

Single packing: 72 g  
Package 10 pcs: 670 g per Package

## ARTICLE NUMBER

DESCRIPTION	ORDER NO.
Single function timerelay R (OFF delay), 24-240VAC, 1 change over, 8A/250V	ZR5R0011

## CONNECTIONS



## DIMENSIONS

