## Singlefunction timer

ENYA series OFF Delay Wide input range 1 change over contact Width 17.5 mm Installation design



## **Technical data**

### 1. Functions R OFF Delay

#### 2. Time ranges Adjustment range

OFF Delay: 30s to 10min

#### 3. Indicators

Green LED U/t ON: i Green LED U/t flashes: i Yellow LED R ON/OFF: i

indication of supply voltage s: indication of time period F: indication of relay output

#### 4. Mechanical design

Self-extinguishing plastic housing, IP rating IP40 Mounted on DIN-rail TS 35 according to EN 60715 Mounting position: any Shockproof terminal connection according to VBG 4 (PZ1 required), IP rating IP20 Tightening torque: max. 1Nm Terminal capacity:

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

#### 5. Versorgungskreis

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

### 6. Output circuit

1 potential free change over contact	
Rated voltage:	250V AC
Switching capacity:	2000VA (8A / 250V)
Fusing:	8A fast acting
Mechanical life:	20 x 10 <sup>6</sup> operations
Electrical life:	2 x 10 <sup>5</sup> operations
	at 1000VA resistive load
Switching frequency:	max. 6/min at 1000VA resistive load
	(in accordance with IEC 60947-5-1)
Overvoltage category:	III (in accordance with IEC 60664-1)
Rated surge voltage:	4kV

#### 7. Control input

Input not potential free:terminals A1-B1Loadable:yesMax. line length:10mTrigger level (sensitivity):automatic adaption to supply voltageMin. control pulse length:DC 20ms / AC 50ms

#### 8. Accuracy

Base accuracy: Adjustment accuracy: Repetition accuracy: Voltage influence: Temperature influence:

## 9. Ambient conditions

Ambient temperature: Storage temperature: Transport temperature: Relative humidity:

Pollution degree:

### 10. Weight

Single packing: Package 10pcs: <0.5% or ±5ms -≤0.01% / °C

±1% of maximum scale value

<5% of maximum scale value

-25 to +55°C -25 to +70°C -25 to +70°C 15% to 85% (in accordance with IEC 60721-3-3 class 3K3) 2, if built-in 3 (in accordance with IEC 60664-1)

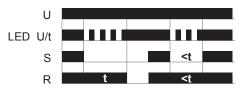
72g 670g per Package

## E1Z1R10

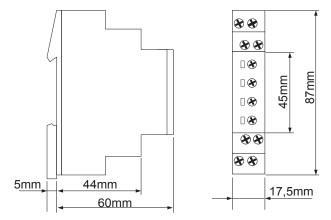
# **Functions**

## 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.



# Connections



# Connections

