

TSK

On delay with thyristor output.

On the application of the supply voltage between (A1) – (A2), time relay (t) commences. At the end of the time delay the thyristor switches the full supply voltage through to the load connected to (A2) terminal (max-load 0.7 A at 20 °C). If the supply voltage is removed during time (t) timer will reset. A small leakage current 2.5mA passes through the thyristor during the time period. Care should be taken to prevent damage to sensitive devices connected to terminal (A2).



General specifications

- Supply voltage 10 – 240V AC/DC
 - Thyristor output 0.7 A max.
 - Time range: refer to technical data.
 - 18mm rail mount housing
 - Supply voltage variation: + 10% / - 15%
 - Frequency: 50 – 60 Hz
 - Duty cycle: 100%
- $I_{max} = 0.7A$
 $I_{min} = 5mA$
 $I_{peak} = 20A (<10ms)$
 $I_{leakage} = 2.5mA \sim$
- Thyristor output:
 - Protection class open air: IP20
 - Protection class enclosed (accessible front): IP40
 - Self-extinguishing plastic housing UL V0 acc IEC 529
 - Mounting position: on DIN-rail TS 35 according to EN 50022
 - Mounting position: vertically
 - Terminal : acc IEC 60947-7-1, IEC 60998-1
 - Terminal Capacity: 1x4mm² without multicore cable end
1x0.5 to 2.5mm² with/without multicore cable end

Display

- Relay energized: LED red (R) indicates of relay energized.

Accuracy

- Base accuracy at min. and max scale: $\pm 1\%$
- Adjusting accuracy: $< 5\%$ of max scale value
- Repetition accuracy under constant condition: $< 0.5\%$ (as % of full range)
- Temperature influence: $< 0.01\% / ^\circ C$

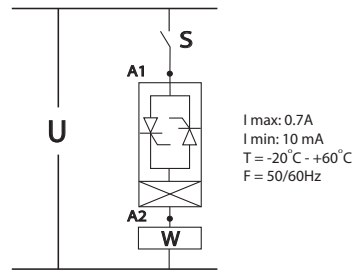
Environmental conditions

- Permissible ambient temperature: $-25^\circ C \dots +55^\circ C$
- Storage temperature: $-25^\circ C \dots +70^\circ C$
- Transport temperature: $-25^\circ C \dots +70^\circ C$
- Relative humidity (acc. IEC 721-3-3 CLASS 3K3): 15% to 85%

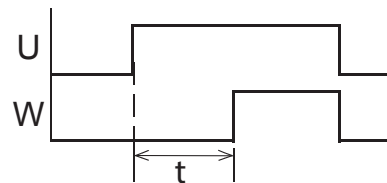
Dimensions & weight

- Width: 18 mm
- Height: 89 mm
- Depth (excl. DIN-profile): 64 mm
- Weight: 46 gram

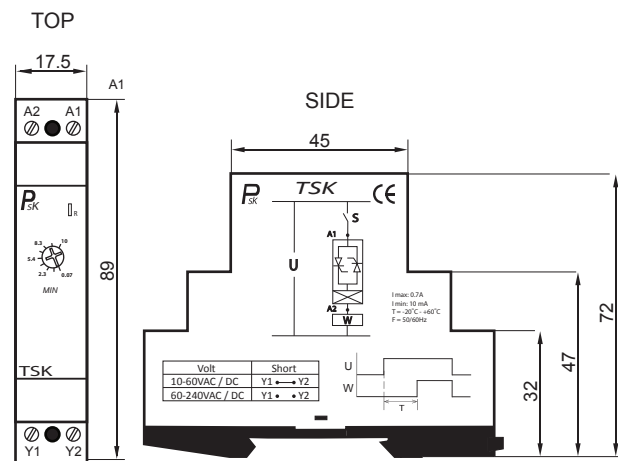
Connections



Function



Dimensions



Ordering information

TSK — T

Time Range

(Refer to Technical Data)

Volt	Short
10-60VAC / DC	Y1 → Y2
60-240VAC / DC	Y1 • • Y2