

LSK20

Delay on break with 2 N/O relay output

LSK20 is a delay off timer known as off-delay with wide timing range and voltage supply. Control contact is required to perform this function, Supply connection between (A1) and (A2) must be continuous. On closure of the control contact between (B1) (A1) the relay energizes, on reopening the control contacts between (B1) (A1) the time out period starts to run, on completion of the time out period the relay de-energizes. If the control contacts (B1) (A1) is reclosed before the time out period is completed the time period resets and starts again from zero when the control contact is re-opened again. The relay drops out and timer resets automatically if the supply voltage is removed.



General specifications

- Main Standards: IEC 61812-1, IEC 61000-6-2, EN 50178
- Additional standards: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5
- 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

Incoming supply circuit

- Supply voltage: 240VAC (refer to table below)
- Supply tolerance: $\pm 10\%$
- Incoming Supply terminals: A1 (+) – A2 refer to table below.
- Rated power consumption: 2 VA
- Rated frequency for as voltage: 48 to 63 Hz
- Duty cycle: 100%
- Reset time: 30 ms
- Drop off voltage: $\geq 20\%$ of nominal voltage.

Incoming control circuit

- Control supply terminals: A1 – B1
- Loadable: NO
- Maximum cable length: 20 mtr
- Trigger level (sensitivity): Automatic adaptation from timer supply.
- Min duration control pulse length: 100 ms

Output circuit

- Relay: 2 C/O
- Rated voltage: 250 Vac
- Switching capacity ac: 1000 VA (4A / 250V) COS $\Phi = 1$
- Switching capacity dc: 3 A 30 Vdc
- Max switching capacity ac: 5 A
- Mechanical life: 1×10^6 operations
- Electrical life at 1000 VA COS $\Phi = 1$: 200.000 operations

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)
- Voltage influence: No
- Temperature influence: $< 0.01\% / ^\circ\text{C}$

Environmental conditions

- Permissible ambient temperature: $-25^\circ\text{C} \dots +55^\circ\text{C}$
- Storage temperature: $-25^\circ\text{C} \dots +70^\circ\text{C}$
- Transport temperature: $-25^\circ\text{C} \dots +70^\circ\text{C}$
- Relative humidity (acc. IEC 721-3-3 CLASS 3K3): 15% to 85%
- Vibration resistance (acc. IEC 68-2-6): 10 TO 55 H

Display

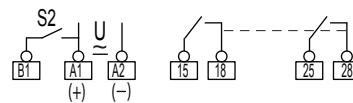
- Power on: LED green (Un) Indicates of supply voltage
- Relay energized: LED red (R) indicates of relay energized.

Dimensions & weight

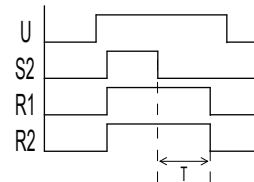
- Width: 24 mm
- Height: 89 mm
- Depth (excl. DIN-profile): 65 mm
- Weight: 83 gram

Connections

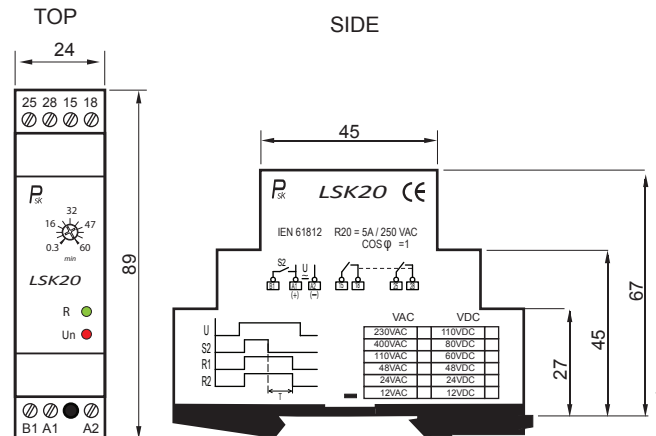
IEN 61812 R20 = 5A / 250 VAC
COS $\Phi = 1$



Function



Dimensions



Ordering information

LSK20 — T — V
Time Range (Refer to Technical Data)
Supply Voltage

VAC	VDC
230VAC	110VDC
400VAC	80VDC
110 VAC	60VDC
48VAC	48VDC
24VAC	24VDC
12VAC	12VDC