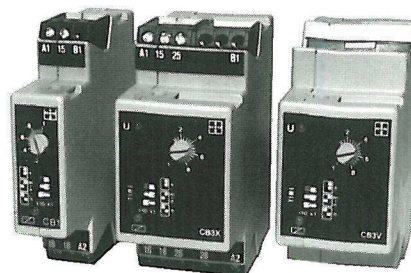


Time relays Series *clip* CB1X/CB3X/CB3V

1.2

- installation profile according to VDE 43 880
- 6 switchable time ranges
- 18-264 V AC/DC zoom voltage

approvals:



Technical Data:

Supply voltages:

Continuously variable voltage: 24 to 240 V AC/DC
Acceptable voltage variation 0.75 to 1.1 U_N
Frequency range 45-65 Hz
Duty cycle 100% IEC class 1c

Environmental conditions:

Permissible ambient temperature -25°C to +55°C
HVF climatic resistance to DIN 40040

Accuracy:

Repetition accuracy under constant condition (as % of full range) ≤ 1 %
Accuracy of adjustment ≤ 5 %
Effect of temperature ≤ 0,1 %/°C
Reset time approx. 100 ms

Mechanical data//specifications:

Enclosure in self-extinguishing plastic, Type of protection IP 40
To meet the OVE-standards for household - applications require a 0,47 µF capacitor.

Type of connections:

Type X: Terminals up to 4 mm² with protection against accidental contact.
Type V: 11-pin plug-in socket.

Dimensions and standards:

1X: 78,6 x 17,5 x 66 mm (h x b x d)

3X: 78,6 x 35 x 66 mm (h x b x d)

3V: 78,6 x 35 x 76 mm (h x b x d)

X: Mounting on DIN rails to DIN 46277/3

(European standard EN 50 0222)

Connection via terminals up to 4 mm² with protection against accidental contact. Type of protection IP20

Protection against contact to VDE 0106 and VBG 4

Terminal arrangement and connection markings to DIN 46 199

V: Mounting and connection via 11-pin screw or soldered plug.

Fixing via retaining clip BU 351. Pin arrangement and connection markings to IEC 67-1-18a

Output stage:

1X: 1 changeover

3X, 3V: 2 changeover

Max. switching voltage: 250 VAC/DC

Continuous current: max. 8 A

Switching capacity: 230 V AC cosφ 1 1500 VA

Contact life: 230 VAC 4 A resistive approx 2 · 10⁵ switching operations.

Mechanical life: approx 20 · 10⁵ switching operations.

Types:

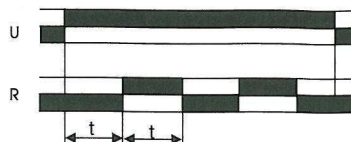
CB1X	_____
CB3X	CB3V

Accessories:

Mounting plate MP	Plug-in base TVE 11
Dip-switch cover DA3	Plug-in base TVE 12

Bp flasher pause start

Function diagram:

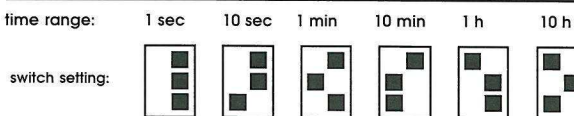


Description of function:

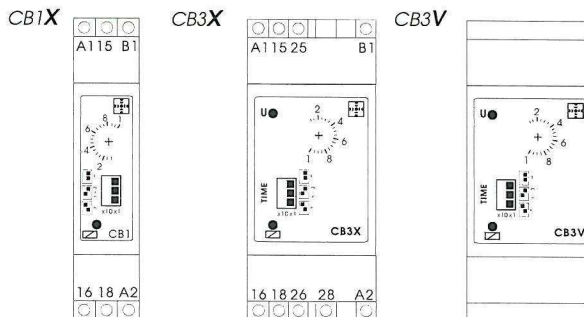
When the input voltage U is applied, the set time t begins to run. Then the output relay R comes into operation and remains in the on-position for time t.

The output relay R continues operating at a mark-space ratio of 1:1 for as long as the input voltage U is applied to the unit.

Selection of time ranges



Front view:



Connection:

