

## TDBE



## Electronic plug-in timer, delay on & off 6 A, 2 C/O

Delay on & off timer functions for demanding applications, switching of AC & DC voltages, resistive and inductive loads. The relay is activated by an external N/O contact.

- Plug-in
- 2 C/O contacts
- DC and AC input
- Flash barriers
- LED indicator 2x (supply / energized)
- Cadmium free contacts
- 'Smitt-style' pinning with integrated retaining silver plated clip
- Adjustable with two lockable knobs (optional with fixed time)
- DC control by voltage or contact

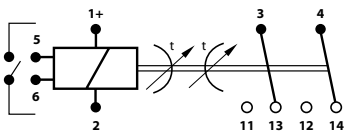
### Standards

EN 60255  
EN 60947  
EN 60947-5-1  
IEC 61810  
CE

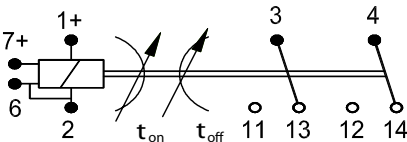
### Pin arrangement Smitt-style



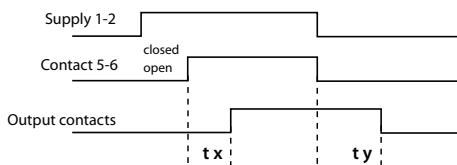
### Connection diagram



### Connection diagram (DC voltage)



### Time diagram



### Standard types

TDBE-024-1...10 s	24 VAC	330740100
TDBE-110-1...10 s	110 VAC	330740700
TDBE-220-1...10 s	220 VAC	330740900

For more types check your local sales office

### Available time ranges

0.1 - 1 s	0.3 - 3 s	0.6 - 6 s	1 - 10 s	3 - 30 s	6 - 60 s
	0.3 - 3 min	0.6 - 6 min	1 - 10 min	3 - 30 min	6 - 60 min

### Contact specifications

Contact material	Ag + 0.2 μm Au
Number & configuration	2 C/O
Rated continuous current	6 A
Breaking capacity AC1	2.6 A / 250 V
Breaking capacity DC1	300 mA / 300 V
Max. make current	15 A
Max. switching voltage AC/DC	250 V, 2.6 A / 300 V, 300 mA
Min. switched voltage	12 V
Min. switched current	10 mA
Insulation between contacts	1 kV, 50 Hz, 1 m

### Coil specifications

Nominal voltage (U <sub>n</sub> AC/DC)	24, 48, 60, 110, 125, 220, 230, 250 VAC/DC
Power consumption	1.8
Operating range	0.8 ... 1.1 U <sub>n</sub> (0.7...1.25 U <sub>n</sub> option V)

### Technical data

Mechanical life cycles	30 x 10 <sup>6</sup>
Dielectric strength, coil-contact	2000 VAC
Isolation class	C 250
Pull-in time	Adjustable
Release time	Adjustable
Ambient temperature	-25 °C...+70 °C
Humidity	95% / 40 °C
Salt mist	5% NaCl, 35 °C for 4 days
Weight	140 g
Dimensions	40 x 40 x 89 mm (incl. knob)
Protection category	IP40

### Options Remarks

V, E, K, B, Q, see page 14  
Standard coil is 50 Hz, 60 Hz coil on request