

Industrial relays

Time

TDB2



Delay on 6A 2CO

Delay off time relay for demanding applications, switching of AC & DC voltages, resistive and/or inductive loads.

- Plug in
- 2CO contacts
- DC and AC coil
- Flash barriers
- 2x LED indicator
- Cadmium free contacts
- 'Smitt-style' pinning with integrated retaining clip silver plated
- Adjustable with a lockable knob
- Forced contacts, weld no transfer

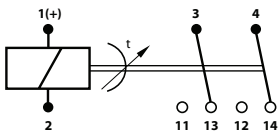
Standards

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

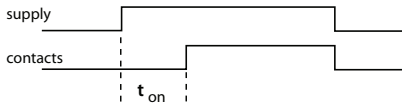
Pin arrangement Smitt-style



Connection diagram



Time diagram



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

Contact specifications

Contact material	Ag + 0,2 µm Au
Number & configuration	2CO
Rated continuous current (AC1, IEC 60947)	6A
Max. make current	15A
Max. switching voltage AC / DC	250V, 6,2A / 300V, 300mA
Min. switched current/voltage mA / V	10 / 12
Insulation between contacts	1 kV, 50Hz, 1 min

Coil specifications

Nominal voltage (Un DC)	24 ... 110 VDC
Nominal voltage (Un AC)	24 ... 110 VAC
Power consumption	0,5 - 2W
Operating range	0,8 ... 1,2 Un

Technical data

Mechanical life cycles	30x10 ⁶
Dielectric strength, coil-contact	2000 VAC
Isolation class	C 380
Pull-in time	adjustable
Release time	< 40 ms
Ambient temperature	-25 ... +70°C
Humidity	93%rh / 40°C
Salt mist	5% NaCl, 35°C for 4 days
Weight	110 gram
Dimensions	40 x 40 x 66 mm (incl. knob)
Protection category	IP 40

Options

E,K,B see page 15

Remarks

Standard coil is 50Hz, 60Hz coil on request

Standard types

TDB2-024-XX	24 VAC/DC
TDB2-048-XX	48 VAC/DC
TDB2-060-XX	60 VAC/DC
TDB2-110-XX	110 VAC/DC
TDB2-125-XX	125 VAC/DC
TDB2-220-XX	220 VAC/DC
TDB2-230-XX	230 VAC

xx= time range

See ordering scheme page 52

For more types check your local sales office

Socket examples



V21 Rail mounting socket
art.no. 338 000 200



V23 Rail mounting socket
art.no. 338 000 400



V25 Rail mounting socket
art.no. 338 300 200

See page 50 for more sockets & accessories