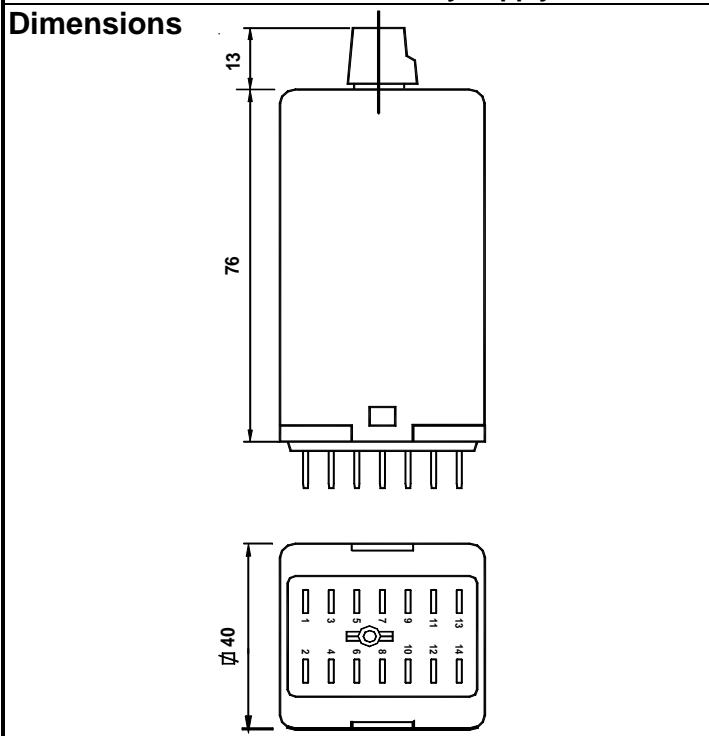


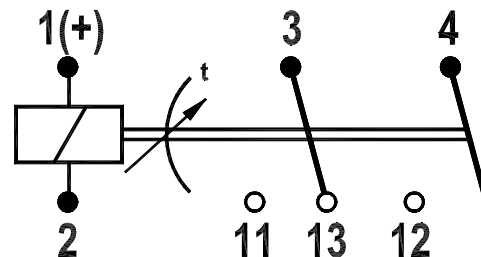
Datasheet

Product	TDE delay-off timer relay without auxilliary supply	Country of Origin:
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Connection Diagram



Description

Electronic plug-in delay-off timer-relay with one change-over contact and one NO contact. Equipped with one LED that indicates energization. The delay-off time is adjustable with a lockable knob. Fixed times are possible. (No knot). The TDE does not need auxiliary supply. The TDE relays are pluggable into standard D-relay bases.

Types

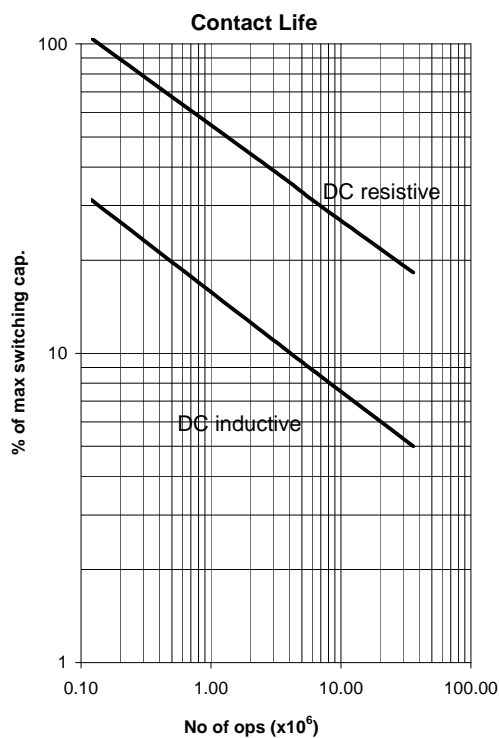
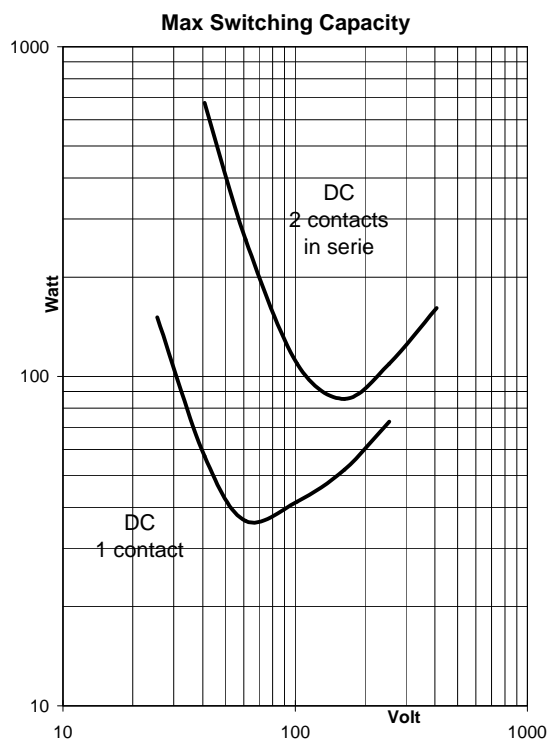
Time range	24 VAC/DC	48 VAC/DC	60 VAC/DC	110 VAC/DC	220 VAC
0.1 ... 1 s	TDE-11	TDE-21	TDE-71	TDE-81	TDE-1
0.3 ... 3 s	TDE-12	TDE-22	TDE-72	TDE-82	TDE-2
1 ... 10 s	TDE-13	TDE-23	TDE-73	TDE-83	TDE-3
3 ... 30 s	TDE-14	TDE-24	TDE-74	TDE-84	TDE-4
10 ... 100 s	TDE-15	TDE-25	TDE-75	TDE-85	TDE-5
Consumption	1.5 VA/W	1.5 VA/W	1.5 VA/W	1.5 VA/W	4 VA

Other voltages or times on request

Coil data

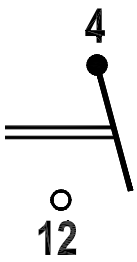
Max permissible ripple for DC-types	24%
Supply range	220 VAC: 80 % - 110 % U_{nom} Other voltages: 80 % - 120 % U_{nom}
Time variation due to U variation	$\pm 0.1 \% / \% U_{nom}$
Time-temperature factor	$\pm 0.2 \% / K$
Repeat accuracy	$\pm 2 \% / K$
Reset time	min. 0.3 s
Max permissible residual voltage	5 % U_{nom}

Contact data		
Max. Make Current	15 A	Material
Max. Cont. Current	6 A (AC1 ; IEC 947)	Contactgap
Max. Breaking Capacity	DC 300 V, 300 mA	Insulation between open contacts
	AC 250 V, 2.6 A	
Min. Switching Voltage	4V/2mA/0.1W-VA	Note: contacts cannot have a closed position. (Forced contacts, We
Max. Contact Resistance	5 milli Ohm	
Maximum Switching Capacity and Contact life		



General Data			
Dielectric strength	Pole-Pole	IEC 255-5	2 kV, 50 Hz, 1 min
	Cont-Coil		2 kV, 50 Hz, 1 min
Pulse Withstanding		IEC 255-5	5 kV (1.2/50 μ s)
Vibration			5 g at 50 Hz
		IEC 68-2-6	2 g at 10 - 150 Hz
Shock		IEC 68-2-27	5 g at 50 Hz
Mechanical life			30*10 ⁶ ops
Max. Switching Frequency			1200 ops/h
Weight			140 g
Temperature	T _{amb,max}		+50 °C
	T _{amb,min}		0 °C
Humidity			80%, condensation not permitted
Protection			IP 50
Materials			Makrolon
			Melamine Polyester

The Netherlands



ct.

b)

220 VDC

TDE-91

TDE-92

TDE-93

TDE-94

TDE-95

3 W

