



Electronics

Power Relay T9A

- 1 pole 30 A, 1 NO or 1 CO contact
- High breaking capacity 7500 VA
- PCB- and PCB/quick connect terminals
- Chassis mount version with quick connect terminals
- UL-class F as standard
- Ambient temperature 85°C
- Open version available
- RoHS compliant (Directive 2002/95/EC) as per product date code 0509

Applications

HVAC, power supplies, domestic apppliances, measurement&control





Approvals

FL E22575, **(**LR15734

Technical data of approved types on request

Contact data

••••••••		
Contact configuration	1 NO contact	1 CO contact
Contact set	single contact	
Type of interruption	micro disconnection	
Rated current NO / NC contact	30 A	20 / 10 A
Rated voltage / max.switching voltage AC	240/400 VA	
Contact material	AgCdO	
Minimum contact load	≥ 1A, 5VDC / 12 VAC	
Mechanical endurance	typ. 10x10 ⁶ cycles	

Contact ratings

Contact ratings			
Туре	Load	Cycles	
NO	UL General Purpose, 30 A @ 240 VAC	1x10 ⁵	
CO	UL General Purpose, 20 A/10 A @ 240 VAC	1x10 ⁵	
NO CO	Resistive, 25 A @ 240 VAC	1x10 ⁵	
CO	Resistive, 20 A/10 A @ 240 VAC	1x10 ⁵	

Coil data

Rated coil voltage range DC coil	548 VDC
Coil power DC coil	1000mW

Coil versions. DC-coil

0011 0010					
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDČ	VDC	VDČ	Ω	mW
6	6	4.5	0.6	36±10%	1000
12	12	9.0	1.2	144±10%	1000
24	24	18.0	2.4	576±10%	1000
48	48	36.0	4.8	2304±10%	1000
All figures are given for coil without preenergization, at ambient temperature +23°C					

Other coil voltages on request

Insulation

insulation	
Insulation resistance coil-contact circuit	> 10 ⁹ Ohms
Dielectric strength coil-contact circuit	2500 Vrms
open contact circuit	1500 V _{rms}
Clearance / creepage coil-contact circuit	≥ 2.5 / 4 mm; ≥3.1 / 6.3 mm (UL508)
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
Rated insulation voltage	250 V
Pollution degree	3
Rated voltage system	240/400 V
Overvoltage category	111

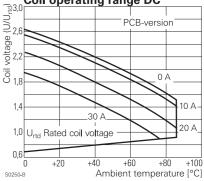
Datasheet Rev. EK1 Issued 2005/11 www.tycoelectronics.com www.schrackrelays.com

Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

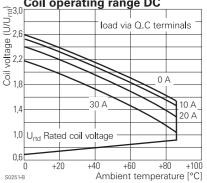
Product specification according to IEC 61810-1. Product data, technical para-meters, test conditions and

processing information only to be used together with the 'Definitions' at schrackrelays.com in the

Coil operating range DC



Coil operating range DC



Specifications subject to change.

'Schrack' section.

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General Purpose Relays



Electronics

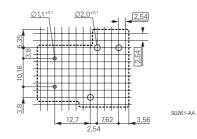
Power Relay T9A (Continued)

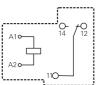
Other data	
RoHS - Directive 2002/95/EC	compliant per product date code 0509
Flammability class according to UL94	V-0
Ambient temperature range (see 'Coil operating	g range') -55+85°C
Operate- / release time including bounce time	15 / 15ms
Vibration resistance (function) NO / NC contact	1.65 mm, 1055 Hz
Shock resistance (function) NO / NC contact	10 g for 11 ms
Shock resistance (destruction)	100 g
Category of protection	RT III - wash tight ('Enclosure S')
	RT I - dust protected ('Enclosure P')
Relay weight	26 / 33 g
Packaging unit	250 pcs

PCB layout / terminal assignment

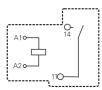
Bottom view on solder pins

PCB version



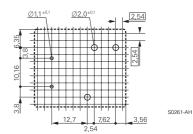


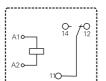
S0261-AB



S0261-AC

PCB-/quick connect version





S0261-AI







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Datasheet Rev. EK1 Issued 2005/11 www.tycoelectronics.com www.schrackrelays.com

Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

4,75x0,5

Product specification according to IEC 61810-1. Product data, technical para-meters, test conditions and

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processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.

Specifications subject to change.

Dimensions

PCB version

S0289-A PCB-/quick connect version

76

27,4

12,8

3,25

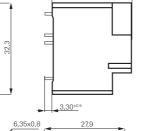
6,35x0,8

43.5 Ċ ΠA

S0290-A

Flange mount





0,4

27,9

г

20,4



General Purpose Relays



Electronics

Power Relay T9A (Continued)

Product key	T 9 A D	2
Туре		
Enclosure		
P dust protected (flange mount)S wash tight (PCB- or PCB-/quick connect version)		
Contact configuration		
1 1 NO contact 5 1 CO contact		
Coil version		
D DC coil 1 W		
Mounting		
1 PCB-version		
2 PCB-terminals for coil and contacts, quick connect	terminals for contacts	
5 Flange mount, 4.75 mm quick connect term. for coil	, 6.35 mm quick connect term. for contacts	
Contact material		
2 AgCdO		
Coil		
Coil code: please refer to coil versions table		

Other types on request

Product key	Version	Cont-material	Cont.configuration	Coil	Part number
T9AS1D12-12	pcb-version	AgCdO	1 NO contact	12 VDC	1-1393210-3
T9AS1D12-18	wash tight	-		18 VDC	1-1393210-5
T9AS1D22-12	pcb terminals			12 VDC	1-1419104-7
T9AS1D22-24	quick connect term.			24 VDC	2-1419104-1
T9AS5D22-12	for contacts		1 CO contact	12 VDC	3-1419104-3
T9AS5D22-24	wash tight			24 VDC	3-1419104-6

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Specifications subject to change.