Signal Relays OEG

Signal PCB Relay TSC

- 1pole, 1A, 1 form C (CO)
- 2.54mm terminal pitch same as I.C. socket terminal pitch

Typical applications
Telecommunications, office machine



FL

Approvals
UL E82292, CSA LR48471-189
Technical data of approved types on request

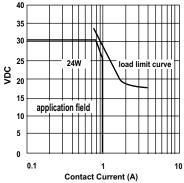
Contact Data	
Contact arrangement	1 form C (CO)
Rated voltage	24VDC, 120VAC
Max. switching voltage	30VDC, 120VAC
Rated current	1A
Switching power	120VA, 24W
Contact material	AgNi Alloy
Min. recommended contact load	1mA at 1VDC
Initial contact resistance	50mΩ at 100mA, 6VDC
Frequency of operation	72000 ops/h
Operate/release time max.	5/5ms
Electrical endurance	
1A, 120VAC, resistive,	$100x10^3$ ops.
1A, 24VDC, resistive,	$100x10^3$ ops.
Contact ratings	1A, 120VAC/24VDC
Mechanical endurance	10x10 ⁶ operations

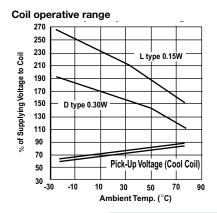
Coil Data	
Coil voltage range	5 to 24VDC

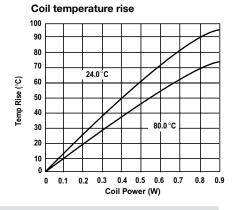
Coil versions, DC coil											
Coil	Rated	Operate	Release	Coil	Rated coil						
code	voltage	voltage	voltage	resistance	power						
	VDC	VDC	VDC	Ω±10%	mW						
Standard coil, 300mW											
05	5	3.75	0.25	83	300						
06	6	4.5	0.3	120	300						
09	9	6.75	0.45	270	300						
12	12	9.0	0.6	480	300						
24	24	18.0	1.2	1.920	300						
Sensitiv	Sensitive coil 150mW										
05	5	3.75	0.25	166	150						
06	6	4.5	0.3	240	150						
09	9	6.75	0.45	540	150						
12	12	9.0	0.6	960	150						
24	24	18.0	1.2	3840	150						

All figures are given for coil without pre-energization, at ambient temperature +23°C.

Max DC load breaking capacity







Insulation Data	
Initial dielectric strength	
between open contacts	$400V_{rms}$
between contact and coil	10000V _{rms}
Initial surge withstand voltage	
between contact and coil	1500V (10/160µs)
Clearance/creepage	
between contact and coil	2.0/1.5mm



Electronics Signal Relays **OEG**

Signal PCB Relay TSC (Continued)

Other Data Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.tycoelectronics.com/customersupport/rohssupportcenter Ambient temperature -30 to 80°C Category of environmental protection RTII - flux proof, IEC 61810 RTIII - wash tight Vibration resistance (functional) 10 to 50Hz, 1.5mm double amplitude

Shock resistance (functional) IEC 60068-2-27 (half sine) 98m/s², 11ms

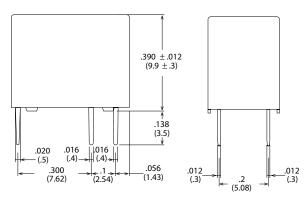
Terminal type PCB-THT Weight 3g

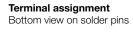
Resistance to soldering heat THT

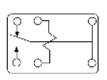
IEC 60068-2-20 260°C/5s

Packaging/unit tube/50 pcs., box/2000 pcs.

Dimensions

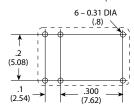


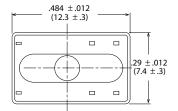






Bottom view on solder pins





Prod	uct co	de structure			Typical product cod	de	TSC	-1	12	D	3	н	,000
Туре	TSC	Signal PCB Relay TSC											
Pole	1	1pole											
Coil	-	Coil code: please refer to	coil v	versions table					J				
Coil p	ower	Con code. picaco fotol te	0011							J			
· · · ·	D	Standard 300mW	L	Sensitive 150mW									
Conta	ct mate	erial									•		
	3	AgNi											
Sealin	g											•"	
	Blank	Flux proof	Н	Wash tight									
Suffix										·			
	,000	Standard											

Product code	Version	Contact	Cont.material	Coil power	Coil voltage	Sealing	Part number
TSC-105D3H,000	1A	1 form C (CO)	AgNi Alloy	300mW	5VDC	Wash tight	1-1419130-0
TSC-112D3H,000					12VDC		2-1419130-1
TSC-124D3H,000					24VDC		5-1440007-3
TSC-105L3H,000				150mW	5VDC		1-1419130-2
TSC-112L3H,000					12VDC		2-1419130-4
TSC-124L3H,000					24VDC		2-1419130-8