■ 1pole, 1A, 1 form C (CO)

■ 2.54mm terminal pitch same as I.C. socket terminal pitch

Typical applications Telecommunications, office machine

Approvals



A1 @

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 voltage range 5 to 24VDC										
Coil versions, DC coil										
Coil	Rated	Operate	Release	Coil	Rated coil					
code	e voltage voltage VDC VDC		voltage VDC	resistance Ω±10%	power mW					
Standar	d coil, 300m	W								
05	5	3.75	0.25	83	300					
06	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	e coil 150mV	V								
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 figuros	All figures are given for coil without pro-onergization, at ambient temperature (23°C									

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



Coil operative range



Coil Data

Coil temperature rise



Insulation Data	
Initial dielectric strength	
between open contacts	

Initial dielectric strength		
between open contacts	400V _{rms}	
between contact and coil	1000V _{rms}	
Initial surge withstand voltage		
between contact and coil	1500V (10/160µs)	
Clearance/creepage		
between contact and coil	2.0/1.5mm	

Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

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Datasheets, product data, 'Definitions' sec-tion, application notes and all specifications are subject to change.

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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.c	om/customersupport/rohssupportcenter					
Ambient temperature	-30 to 80°C					
Category of environmental protection	n					
IEC 61810	RTII - flux proof,					
	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.					

Terminal assignment

Bottom view on solder pins





Dimensions





Prod	uct co	de structure			Typical product code	TSC	-1	12	D	3	н	,000
Туре	TSC	Signal PCB Relay TSC										
Pole	1	1pole										
Coil		Coil code: please refer to	o coil v	ersions table				_				
Coil p	ower								1			
	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

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