



Signal PCB Relay OUAZ

- 1pole, 1A, 1form A (NO), 1 form C (CO)
- 2.54mm terminal pitch same as I.C. socket terminal pitch
- Gold overlay AgPd alloy contact suitable for low loads

Typical applications
Telecommunications, office machine





OEG

Approvals

UL E82292, CSA LR48471, TuV R50138762 (Z)

Technical data of approved types on request

Contact Data	
Contact arrangement	1 form A (NO), 1 form C (CO)
Rated voltage	24VDC, 120VAC
Max. switching voltage	24VDC, 120VAC
Rated current	1A
Switching power	120VA, 30W
Contact material	AgPd Alloy
Min. recommended contact load	1mA at 1VDC
Initial contact resistance	50mΩ at 100mA, 6VDC
Frequency of operation	72000h ⁻¹
Operate/release time max.	
standard coil	5/7ms
sensitive coil	10/7ms
Electrical endurance	
1A, 120VAC, resistive,	100×10^3 ops.
1A, 24VDC, resistive,	100×10^3 ops.
Contact ratings	1A, 120VAC/24VDC
Mechanical endurance	10x10 ⁶ operations

Coil Data	
Magnetic system	
Coil voltage range	5 to 24VDC

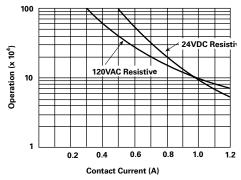
Coil Data (continued)

Coil ver	sions, DC co	il									
Coil	Rated	Operate	Release	Coil	Rated coil						
code	voltage	voltage	voltage	resistance	power						
	VDC	VDC	VDC	Ω±10%	% mW						
Standard coil, 450mW											
05	5	3.5	0.25	55	450						
06	6	4.2	0.3	80	450						
09	9	6.3	0.45	180	450						
12	12	8.4	0.6	320	450						
24	24	16.8	1.2	1.280	450						
Sensitiv	Sensitive coil, 200mW										
05	5	3.75	0.5	125	200						
06	6	4.5	0.6	180	200						
09	9	6.75	0.9	400	200						
12	12	9.0	1.2	700	200						
24	24	18.0	2.4	2800	200						

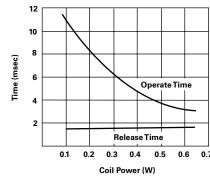
All figures are given for coil without pre-energization, at ambient temperature +23°C.

500V _{rms}
1000V _{rms}
1500V _{rms}
1500V (10/160µs)
1.5/1.76mm

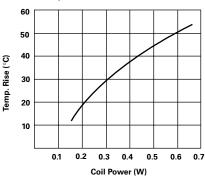




Operate time



Coil temperature rise





Signal Relays **OEG**

Signal PCB Relay OUAZ (Continued)

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter

Ambient temperature

standard coil -30 to 60°C sensitive coil -30 to 70°C

RELAY

Category of environmental protection

IEC 61810 RTII - flux proof, RTIII - wash tight

Vibration resistance (functional) 10-50Hz, 1.5mm double amplitude

Shock resistance (functional)

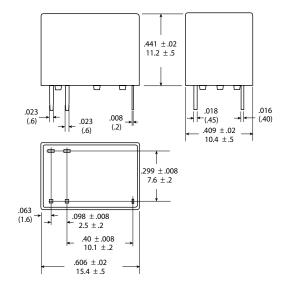
IEC 60068-2-27 (half sine) 98m/s², 11ms PCB-THT Terminal type Weight 3.5g

Resistance to soldering heat THT

IEC 60068-2-20 260°C/5s

Packaging/unit tube/25 pcs., box/2000 pcs.

Dimensions

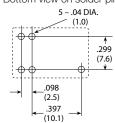


Terminal assignment Bottom view on solder pins





Bottom view on solder pins



Prod	uct co	ode structure Typical product code			OUAZ	-SS	1	12	D	М	,900
Туре	iype OUAZ Signal PCB Relay OUAZ										
Sealir	ng SS	Flux proof	SH	Wash tight		-					
Pole											
Coil	coil coc	de: please refer to coil vers	sions ta	ble				•			
Coil F	Power D	Standard 540mW	L	Sensitive 200mW							
Conta		gement 1 form C (CO)	М	1 form A (NO)						•	
Insula	ation	Standard	z	High Insulation (1500V)							
Suffix	,900	Standard	,800	High Insulation (1500V)							1

Product code	Version	Contact	Cont.material	Coil power	Coil voltage	Sealing	Part number
OUAZ-SS-105D,900	1A	1 form C (CO)	AgPd Alloy	450mW	5VDC	Flux proof	8-1419130-3
OUAZ-SS-112D,900				450mW	12VDC		5-1419145-7
OUAZ-SS-124D,900				450mW	24VDC		1461015-1
OUAZ-SS-105L,900				200mW	5VDC		8-1419130-6
OUAZ-SS-112L,900				200mW	12VDC		1419131-5
OUAZ-SS-124L,900				200mW	24VDC		1-1419131-1
OUAZ-SH-105D,900				450mW	5VDC	Wash tight	3-1419145-9
OUAZ-SH-112D,900				450mW	12VDC		5-1419130-6
OUAZ-SH-124D,900				450mW	24VDC		1461015-4
OUAZ-SH-105L,900				200mW	5VDC		4-1419145-0
OUAZ-SH-112L,900				200mW	12VDC		6-1419130-5
OUAZ-SH-124L,900				200mW	24VDC		4-1419145-8

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