

OEG

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



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,	100x10 ³ ops.
1A, 24VDC, resistive,	100x10 ³ ops.
Contact ratings	1A, 120VAC/24VDC
Mechanical endurance	10x10 ⁶ operations

Coil Data (continued)

Coil versions, DC coil										
Coil	Rated	Operate	Release	Coil	Rated coil					
code	voltage	voltage	voltage	resistance	power					
	VDČ VDČ		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	e coil, 200m\	N								
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.

Insulation Data

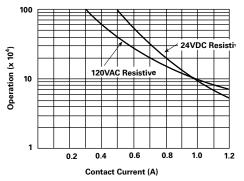
moulation Bata		
Initial dielectric strength		
between open contacts	500V _{rms}	
between contact and coil	1000V _{rms}	
high insulation version (Z)	1500V _{rms}	
Initial surge withstand voltage		
between contact and coil	1500V (10/160µs)	
Clearance/creepage	· ·	
between contact and coil	1.5/1.76mm	

Electrical endurance

Coil Data

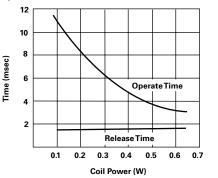
Magnetic system

Coil voltage range

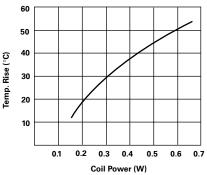


Operate time

5 to 24VDC



Coil temperature rise



Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section. Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

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Signal PCB Relay OUAZ (Continued)

Dimensions

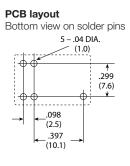
Other Data

Material compliance: EU RoHS/ELV,	China RoHS, REACH, Halogen content
refer to the	Product Compliance Support Center at
www.te.co	m/customersupport/rohssupportcenter
Ambient temperature	
standard coil	-30 to 60°C
sensitive coil	-30 to 70°C
Category of environmental protection	1
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
Terminal type	PCB-THT
Weight	3.5g
Resistance to soldering heat THT	
IEC 60068-2-20	260°C/5s
Packaging/unit	tube/25 pcs., box/2000 pcs.

Terminal assignment

Bottom view on solder pins





.441 ±.02 11.2 ±.5 .016 (.40) .023 .018 .008 (.2) →|+ .018 -(.45) -.409 ±.02 ۶ŀ .023 (.6) (.6) $10.4\ \pm .5$ Î .299 ±.008 7.6 ±.2 ļ .063 (1.6) $.098 \ \pm .008$ ľ $2.5\ \pm.2$.40 ±.008 10.1 ±.2 .606 ±.02 15.4 ±.5

Product code structure Typic			Typical product code	OUAZ	-SS	1	12	D	М		,900	
Туре	Type OUAZ Signal PCB Relay OUAZ											
Sealin	Sealing SS Flux proof SH Wash tight											
Pole	1	1pole					'					
Coil												
coil code: please refer to coil versions table												
	D Standard 540mW L Sensitive 200mW											
Conta		gement										
		1 form C (CO)	mm C (CO) M 1 form A (NO)									
Insula	Insulation											
		Standard	Z	High Insulation (1500V)								
Suffix	,900	Standard	,800	High Insulation (1500V)								

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

2

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