

OTX5F	Communication relay
	● Features ● 2A switching capability ● High sensitivity, coil power consumption 150mW, gold plated contacts ● L Ultra-small, standard double in-line outlet pins ● Dustproof type package form ● Outline Dimensions: （12.4 x 7.4x 10）mm

CONTACT DATA

Contact arrangement	1C	
Contact resistance ⁽¹⁾	≤100mΩ(1A 6VDC)	
Contact material	Ag Alloy	
Contact rating	1A/120VAC 1A/24VDC	2A/120VAC 2A/24VDC
Max. switching current	1A	2A
Max. switching power	120VA/24W	240VA/48W
Max. switching voltage	120VAC/24VDC	
Mechanical endurance	1x10 ⁷ ops	
Electrical endurance	1x 10 ⁵ ops	
Notes:(1) The data shown above are initial values.		

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	1000VAC 1min
	Between open contacts	4000VAC 1min
Operate time (at rated. volt.)	≤4ms	
Release time (a rated. volt.)	≤3ms	
Shock resistance	Functional	10G
	Destructive	100G
Vibration resistance	10-55Hz, 1.5mm Double amplitude	
Humidity	5%~85%	
Ambient temperature	-40℃~70℃	
Solderability	235℃±2℃ 3±0.5s	
Maximum conversion frequency	Electrical life: 1800 times/hour Mechanical life: 18000 times/hour	
Unit Weight	2.2g	

COIL	at 20℃					
Coil Power	0.15w、0.2w、0.36w					
COIL DATA						
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance ±10%		
				0.15W	0.2W	0.36W
3	≤2.25	≥0.3	3.9	60	45	25
5	≤3.75	≥0.5	6.5	167	125	69
6	≤4.5	≥0.6	7.8	240	180	100
9	≤6.75	≥0.9	11.7	540	405	225
12	≤9	≥1.2	15.6	960	720	400
24	≤18	≥2.4	31.2	3840	2880	1600

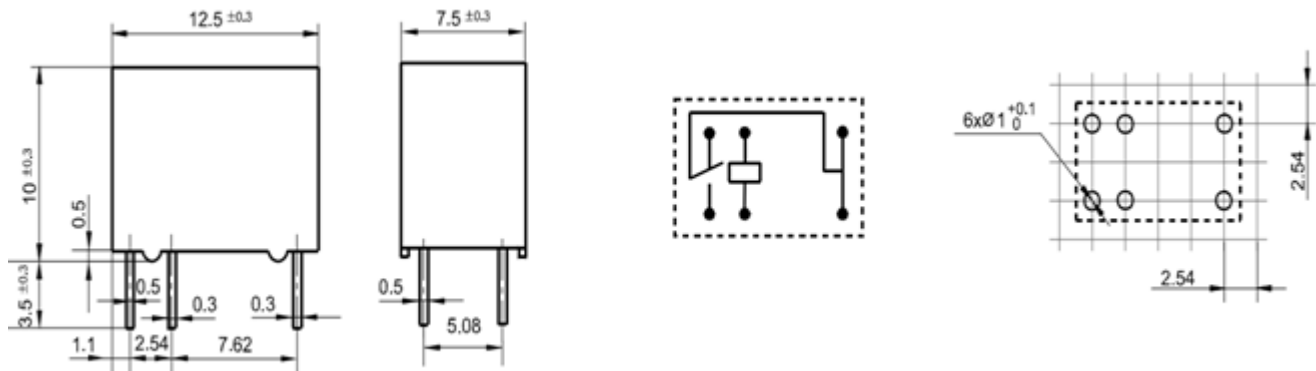
ORDERING INFORMATION

	OTX5F	-DC	-12V	-C	-M	-S	-
Type							
Coil power supply	DC: direct current						
Coil voltage	3V , 5V , 6V , 9V , 12V , 18V , 24V						
Contact arrangement	C:1FormC						
Coil Power	M : 0.15w L:0.2w D:0.36w						
Construction	S: Dustproof type SH: Flux proofed						
Special							

Notes: (1) We recommend flux proofed types for a clean environment (free from contaminations like H2S, SO2, NO2, dust, etc.). We suggest to choose plastic sealed types and validate it in real application for an unclean environment (with contaminations like H2S, SO2, NO2, dust, etc).

(2) Contact is recommended for suitable condition and specifications if water cleaning or surface process is involved in assembling relays on PCB.;

OMTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOMT UNIL: : MM



- Notes: (1)In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
- (2) The tolerance without indicating for PCB layout and pin size is always ±0.1mm.
- (3)This product specification is for reference only, subject to change without prior notice

This specification is for reference only, the actual use is subject to the sample, all relays meet ROHS requirements, if there is any change will not be notified.

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