

OTX21F	Super small power relay
	- Features 1 Form A、1 Form B and 1 Form C configurations Plastic - standard PCB layout - sealed and flux proofed types available - UL insulation system: class F available. - Outline Dimensions: (20.3×16.6×20.2) mm

CONTACT DATA

Contact arrangement	1A 1B	1Z
Contact resistance ⁽¹⁾	≤100mΩ	
Contact material	AgCdO;AgSnO2	
Contact rating	15A/277 VAC	12A 277VAC/30VDC
Max. switching current	15A	12A
Max. switching power	3324VA/360W	
Max. switching voltage	277VAC/30VDC	
Mechanical endurance	1x10 ^{7ops}	
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	1500VAC 1min
	Between open contacts	750VAC 1min
Operate time (at rated. volt.)	≤10ms	
Release time (at rated. volt.)	≤5ms	
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Humidity	5%~85%	
Ambient temperature	-40℃~70℃	

COIL	at 20℃			
Coil Power	5VDC-24VDC:0.36W 48VDC:0.53W			
COIL DATA				
0.36W				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance ±10%
5	≤3.75	≥0.5	6.5	70
6	≤4.50	≥0.6	7.8	100
9	≤6.75	≥0.9	11.7	225
12	≤9.00	≥1.2	15.6	400
18	≤13.5	≥1.8	23.4	900
24	≤18.0	≥2.4	31.2	1600
48	≤36.0	≥4.8	62.4	4500

Notes:(1)The data shown above are initial values.

(2) Maximum voltage refers to the maximum voltage that the relay coil can withstand in a short time

ORDERING INFORMATION

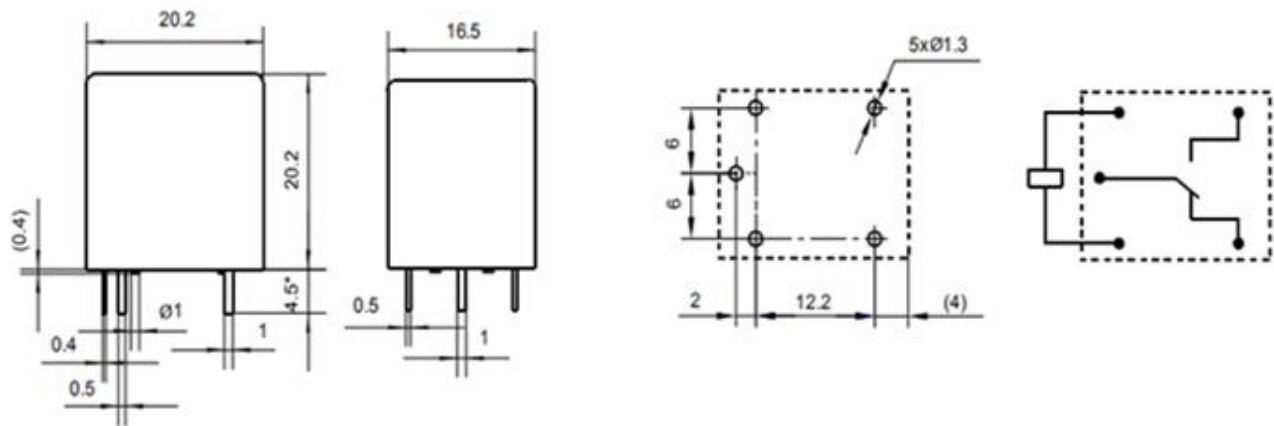
	OTX21F	-DC	-12V	-1A	-L	-S	-
Type							
Coil power supply	DC: direct current						
Coil voltage	5V , 6V , 9V , 12V , 18V , 24V , 48V						
Contact arrangement	1A:1FormA 1B:1fromB1C:1FormC						
Coil Power	Nil : 0.36w D:0.45w L:0.8w						
Construction	S: Plastic sealed Nil: Flux proofed						
Installation Method	Nil : PCB welding						

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

unit::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 ROSH requirements, if there is any change will not be notified. web:www.qingmu.hk