

OTX4100	PCB relay
 	• Features • 5A switching capability • 1Form C configurations • Standard PCB layout • Plastic sealed and dust protected types available • Outline Dimensions: (15.7×11×12) mm

CONTACT DATA

Contact arrangement	1C	
Contact resistance ⁽¹⁾	≤50mΩ	
Contact material	AgCdO	
Contact rating	NO:3A/120 VAC 3A/120VAC 3A/14 VDC	NC:3A/125VAC 3A/125VAC 3A/14VDC
Max. switching current	5A	
Max. switching power	750VA/84W	
Max. switching voltage	75VDC	
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	500VAC 1min
	Between open contacts	500VAC 1min
Operate time (at rated. volt.)	≤10ms	
Release time (a rated. volt.)	≤5ms	
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Humidity	5%~85%	
Ambient temperature	-25℃~70℃	
Unit Weight	3.5g	

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

(2) See the performance curve for coil temperature rise

(3) UL insulation grade: CLASS A

COIL		at 20℃					
Coil Power		0.2W/0.36W					
COIL DATA							
0.36W							
Nominal Voltage	DC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil	Resistance	Ω±10%
6		≤4.5	≥0.6	6.6		100	
9		≤6.8	≥0.9	9.9		225	
12		≤9.0	≥1.2	13.2		400	
24		≤18.0	≥2.4	26.4		1600	
0.2W							
Nominal Voltage	DC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil	Resistance	Ω±10%
6		≤4.5	≥0.6	6.6		180	
9		≤6.8	≥0.9	9.9		41	
12		≤9.0	≥1.2	13.2		720	
24		≤18.0	≥2.4	26.4		2880	

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

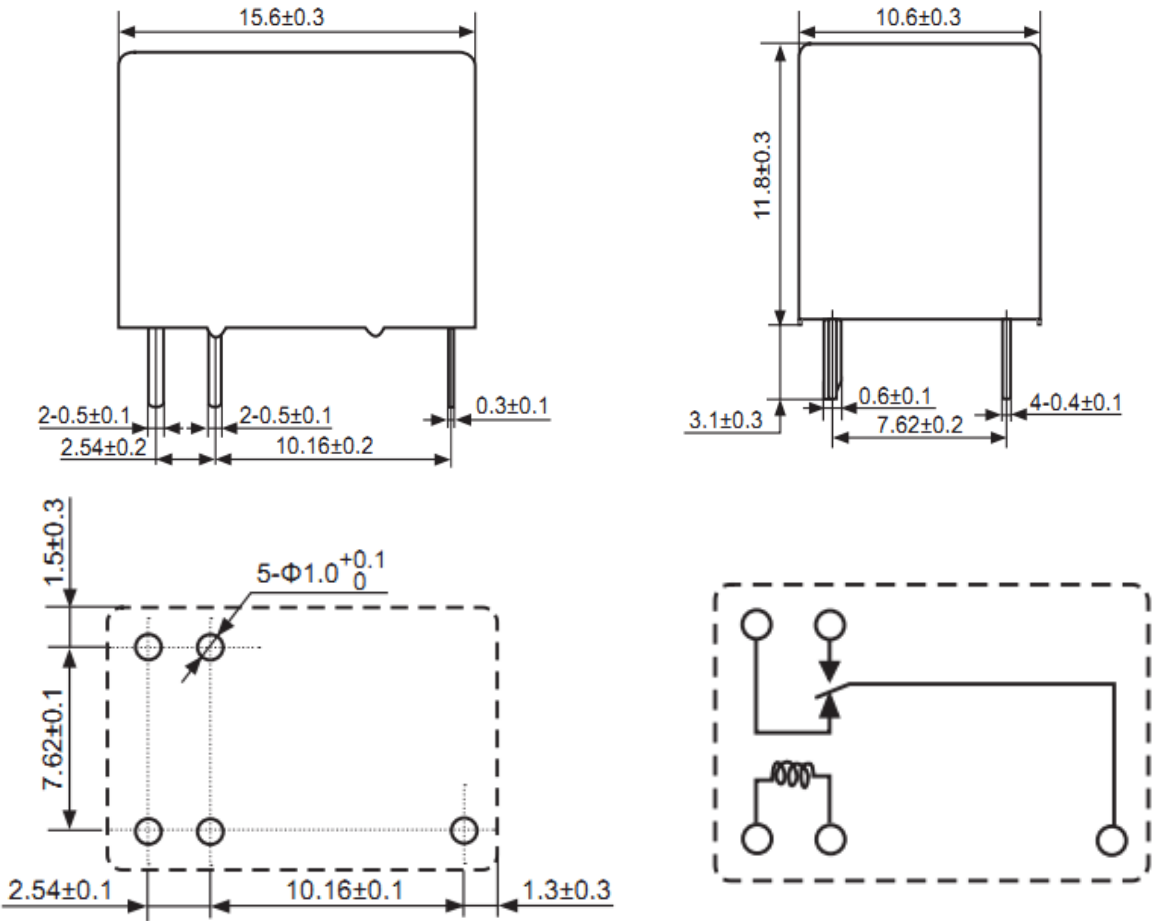
ORDERING INFORMATION

	OTX4101	-DC	-12V	-C	-D	-S	-
Type							
Coil power supply	DC: direct current						
Coil voltage	3V , 5V , 6V , 9V , 12V , 24V						
Contact arrangement	1C:1FormC						
Coil Power	H:1.5w Nil:0.2w D:0.36w						
Construction	S: Plastic sealed Nil: Flux proofed						
special load	Nil:3A F:5A						
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 ≤ 1 mm, tolerance should be ± 0.2 mm; outline dimension > 1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension > 5 mm, tolerance should be ± 0.4 mm.

(2) The tolerance without indicating for PCB layout and pin size is always ± 0.1 mm.

(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. web:www.qingmu.hk