

OTX15F1	HIGH POWER RELAY			
		Features ● 40A switching capability ● 2.5kV dielectric strength (between coil and contacts) ● UL insulation system: class F available. ● Plastic sealed and dust protected types available ● Outline Dimensions: (32.5 x27.5 x 20)mm		

CONTACT DATA

Contact arrangement	1A 1B 1C	
Contact resistance ⁽¹⁾	≤100mΩ	
Contact material	AgCdO;AgSnO2	
Contact rating	40A	NO:40A/240VAC,28VDC NC:30A/240VDC,28VDC
	30A	NO:30A/240VDC,28VDC NC:20A/240VDC,28VDC
Max. switching current	40A,30A	
Max. switching power	7200VA/560W	
Max. switching voltage	250VAC/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	25000VAC 1min	
		Between open contacts	1500VAC 1min	
Operate time (at rated. volt.)		≤15ms		
Release time (at rated. volt.)		≤10ms		
Shock resistance		Functional	98m/s ²	
		Destructive	980m/s ²	
Humidity		5%~85%		
Ambient temperature		-40℃~70℃		
Unit Weight		27g (Type A) , 30g		
COIL	at 20℃			
Coil Power	0.93W			
COIL DATA				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance ±10%
5	≤3.75	≥0.5	6	26.8
6	≤4.50	≥0.6	7.2	38.7
9	≤6.75	≥0.9	10.8	90
12	≤9.00	≥1.2	14.4	155
48	≤13.5	≥1.8	21.6	360
24	≤18.0	≥2.4	28.8	600
36	≤27.0	≥3.6	432	1440
48	≤36.0	≥4.8	57.6	2560
110	≤82.5	≥11	132	1300

ORDERING INFORMATION

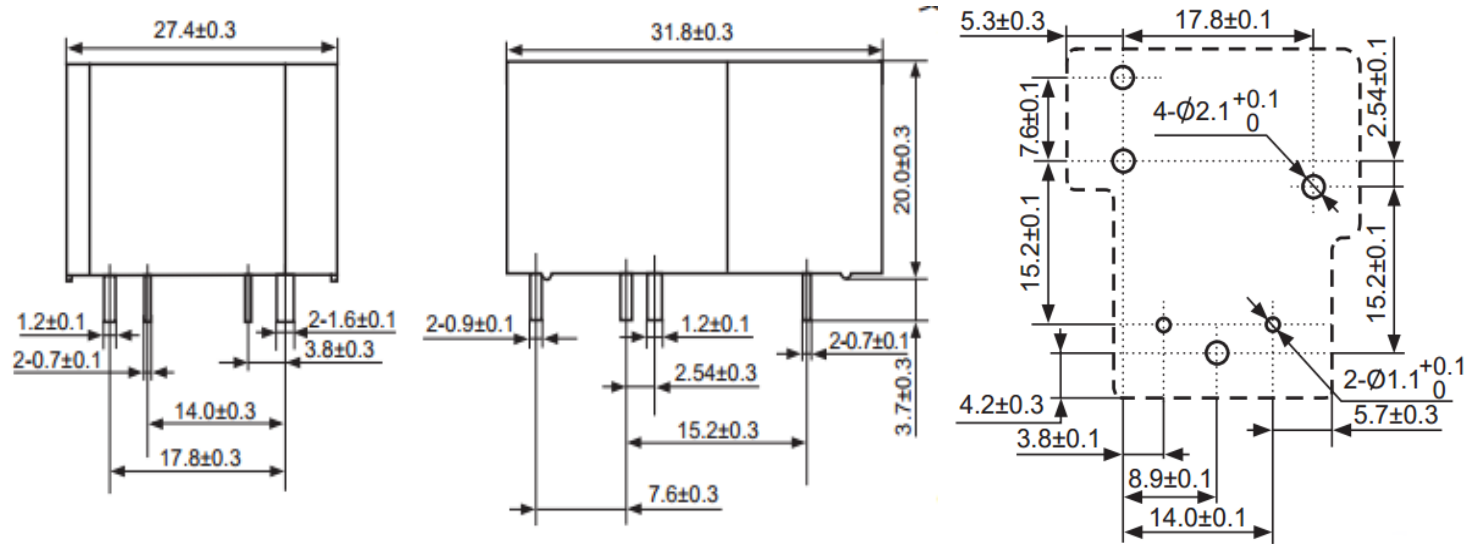
	OTX15F1	-DC	-12V	-1A	-L	-S	-
Type							
Coil power supply	DC: direct current						
Coil voltage	5V , 6V , 9V , 12V , 24V , 36V , 48V , 110V						
Contact arrangement	1A:1FormA 1B:1FormB 1C:1FormC						
Coil Power	L:0.53W;D:0.72W						
Construction	S: Plastic sealed Nil: Flux proofed						
Installation 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 ROHS requirements, if there is any change will not be notified.

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