OTX15F3	HIGH POWER RELAY

Features

- 30A 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 x27.5 x 27.8)mm

CONTACT DATA

Contact arrangement	1A	1B	1C(NO)	1C(NC)
Contact resistance (1)	≤50mΩ			
Contact material	AgCdO;AgSnO2			
Contact rating	30A 240VAC 20A 30VDC	15A 240VAC 10A 30VDC	20A 240VAC 20A 30VDC	10A 240VAC 10A 30VDC
Max .switching current	40A	15A	20A	10A
Max. switching power	7200VA 600W	3600VA 300W	4800VA 600W	2400VA 300W
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	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℃
Terminal Configuration		Printed plate and quick connection type
Unit weight		Approx.25g

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	6.5	27
6	≤4.50	⩾0.6	7.8	40
9	≤6.75	⩾0.9	11.7	97
12	≤9.00	⩾1.2	15.6	155
15	⩽11.25	⩾1.5	19.5	256
18	⩽13.5	⩾1.8	23.4	380
24	⩽18.0	⩾2.4	31.2	660
48	⩽36.0	⩾4.8	62.4	2560
70	⩽52.5	⩾7.0	91	5500
110	⩽82.5	⩾11.0	143.0	13450

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

(2) It is recommended that the terminal of the process QC cannot pass through more than 25A current for a long period of time

(3) The air vent should be opened during the test of the plastic sealed relay. Typical load and electrical durability: 30A 240VAC, resistance, normal temperature, 100k times, normally open contact.

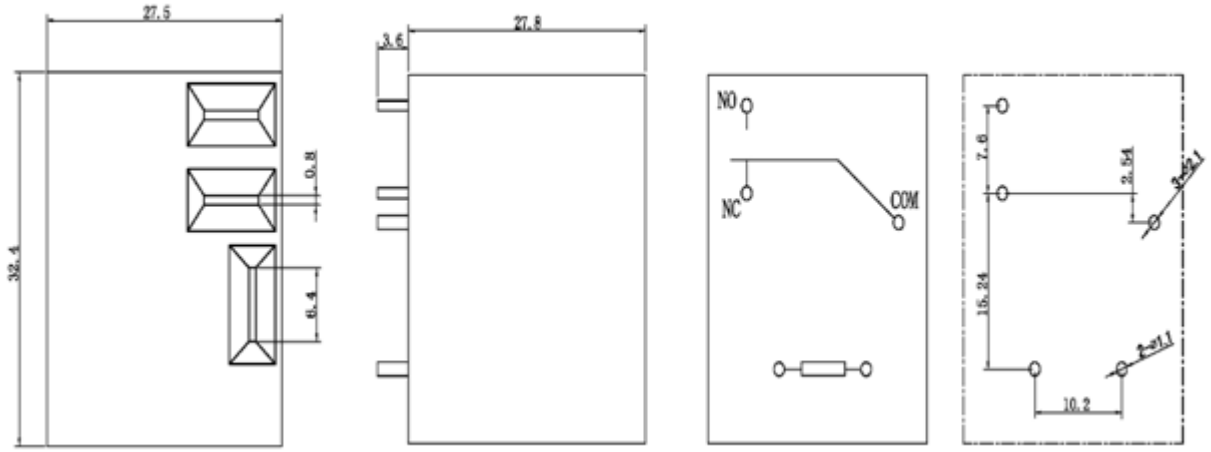
ORDERING INFORMATION

	OTX15F3	-DC	-12V	-1A	-L	-S	-
Type							
Coil power supply	DC: direct current						
Coil voltage	5 , 6 , 9 , 12 , 18 , 24 , 48 , 70 , 110VDC						
Contact arrangement	1A:1FormA 1B:1FormB 1C:1FormC						
Coil Power	Nil:0.93W						
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