

OTXT76	Relay
	Features ● High load: 16A ● Sensitive: 200mW ● Low height, flat construction ● Insulation system: class F available. ● Plastic and flux-proof models are available ● Outline Dimensions: (20.5×10×11.8) mm

CONTACT DATA :

Contact arrangement	1Z	1H
Resistance	≤100mΩ(1A 6VDC)	
Contact material	AgCdO;AgSnO ₂	
Load	NO: 10A 125/250VAC NC: 6A 125/250VAC	Standard type: TV-5 10A 30VDC 16A 125VAC/250VAC
		High load type: TV-5 10A 30VDC 16A 125VAC/250VAC 8 A 250 VAC (COS Φ = 0.4)
Maximum current	NO:10A NC:6A	16A
Max. switching voltage	250VAC/30VDC	
Max. switching power	NO:2500VA NC:1500VA	4000VA/300W
The minimum load	10mv 10μA	
Mechanical endurance	1x10 ⁷ OPS	
The durability of electricity	1H High load: 5x10 ⁴ times (16A 125VAC resistive load, room temperature 1s on 9s off) 1H Standard: 5x10 ⁴ times (10A 250VAC resistive load, room temperature 1s on 9s off) Type 1Z: 5x10 ⁴ (NO,10A 125VAC, resistance load, room temperature 1s on 9s off) Type 1Z: 5x10 ⁴ (NC,6A 250VAC, resistive load, room temperature 1s on 9s off)	

COIL DATA

at20℃

Coil power	1 H: about 200 mw; Z: of about 400 mw			
1Z				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max .Voltage VDC	Coil Resistance Ω±10%
5	≤4.0	≥0.5	6.5	62.5
6	≤4.8	≥0.6	7.8	90
9	≤7.2	≥0.9	11.7	202.5
12	≤9.6	≥1.2	15.6	360
18	≤14.4	≥1.8	23.4	810
24	≤19.2	≥2.4	31.2	1440
48	≤38.4	≥4.8	62.4	5760

1 H				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance $\Omega \pm 10\%$
5	≤ 4.0	≥ 0.5	6.5	125
6	≤ 4.8	≥ 0.6	7.8	180
9	≤ 7.2	≥ 0.9	11.7	405
12	≤ 9.6	≥ 1.2	15.6	720
18	≤ 14.4	≥ 1.8	23.4	1620
24	≤ 19.2	≥ 2.4	31.2	2880
48	≤ 38.4	≥ 4.8	62.4	11520

CHARACTERISTICS

Insulation resistance	1000mΩ(500VDC)			
Medium pressure	Between coil and contact	2500VAC 1min	humidity	5%~85%RH
	Disconnect between contact	1000VAC 1min	Temperature range	-40℃~105℃
Operate time	$\leq 15\text{ms}$	Terminal way	1H: printed plate and quick connection 1Z: printed plate	
Release time	$\leq 5\text{ms}$	Unit weight	PCB: about 10g QC: about 12g	
Vibration	10-55Hz,1.5mm double amplitude	Shock resistance	Functional	98m/s ²
			Destructive	980m/s ²

ORDERING INFORMATION

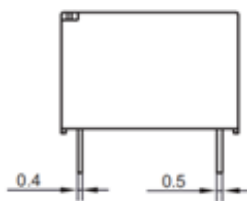
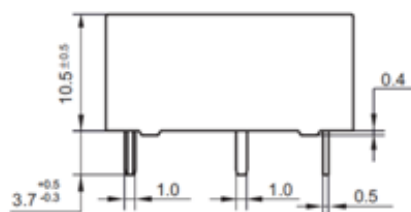
	OTXT76	-A	-12V	-P		-T	-Q
Type							
Contact arrangement	1A:1FormA	1C:1FormC					
Coil voltage	5,6,9,12,18,24,48VDC						
Load	P: high load (only applicable to model 1H) None: standard						
Terminal Configuration	Nil: AgCdO (applicable to Type 1H only), AgNi (applicable to Type 1Z only) T: AgSnO ²						
Installation Method	Q: Fast connection (only for 1H and high load) Nil: Printed plate						
Construction	S: Plastic sealed Nil: Flux proofed						
Special requirements	XXX: customer's special requirements None: Standard						

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

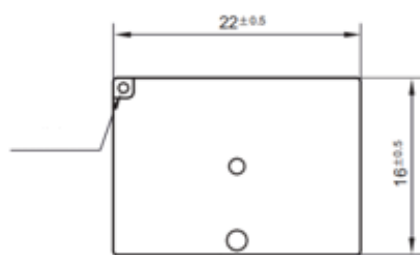
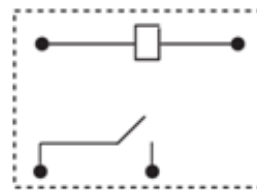
(2) After the relay is welded on PCB board, if overall cleaning or surface treatment is required, please contact us so as to negotiate appropriate welding conditions and product specifications;

(3) If it is used in 105℃ environment temperature, please choose high load products with anti-flux type, and please specify it when ordering;

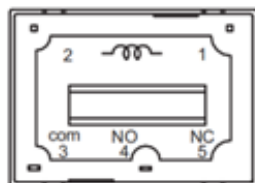
1FormA standard PCB layout



Connections

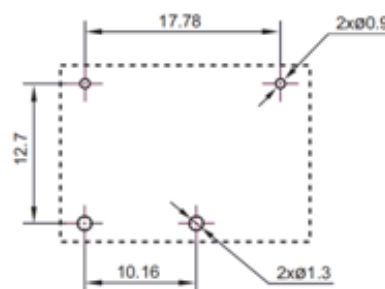


Top View

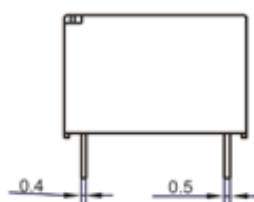
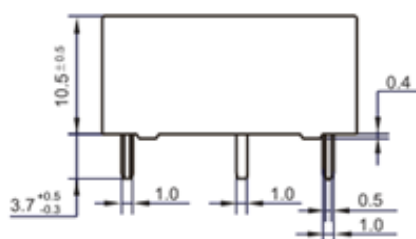


Bottom Vie

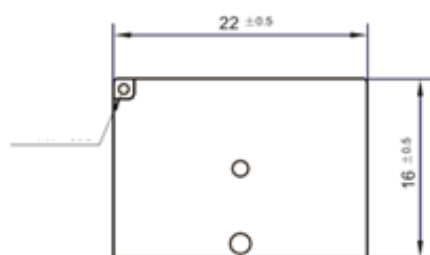
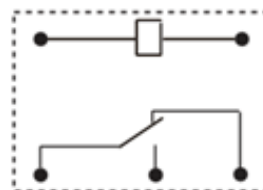
Mounting hole size



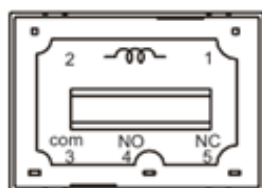
1FormC standard PCB layout



Connections

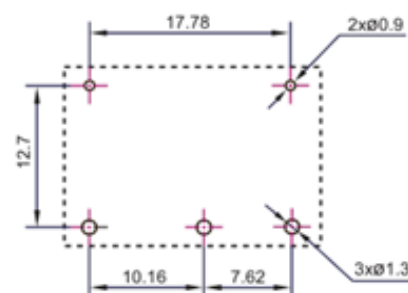


Top View



Bottom Vie

Mounting hole size



Notes: (1)In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.

(2)The tolerance without indicating for PCB layout and pin size is always $\pm 0.1\text{mm}$.

(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.

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