JT32F

SUBMINIATURE INTERMEDIATE POWER RELAY

c **FU** us

File No.: E319069



File No.: R 50134939



File No.: CQC08001026665



Features

- 10A switching capability
- 1 Form A and 1 Form C configurations
- Subminiature, standard PCB layout
- Plastic sealed and flux proofed types available
- Class F insulation system
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (18.4 x 10.2 x 15.3) mm

CONTACT DATA			
Contact arrangement	1A, 1C		
Contact resistance	100mΩ max. (at 1A 6VDC)		
Contact material	AgNi, AgCdO		
	1	1C	
	Standard	Sensitive	Standard
Contact rating (Res. load)	H: 5A 250VAC 5A 30VDC 10A 125VAC	HL: 3A 250VAC 3A 30VDC HLQ: 8A 250VAC	3A 250VAC 3A 30VDC
Max. switching voltage	250VAC / 30VDC		
Max. switching current	10A		
Max. switching power	1250VA / 150W		
Mechanical endurance	1 x 10 ⁷ ops		
Electrical endurance	1 x 10 ⁵ ops		

CHARACTERISTICS			
Insulation resistance		1000MΩ (at 500VDC)	
Dielectric	c Between coil & contacts		2500VAC 1min
strength Between o		oen contacts	1000VAC 1min
Operate time (at nomi. volt.)		8ms max.	
Release time (at nomi. volt.)		5ms max.	
Humidity		35% to 95% RH	
Ambient temperature		Standard	-40°C to 70°C
		High capacity	-40°C to 70°C
Shock resistance		Functional	98m/s ²
		Destructive	980m/s ²
Vibration resistance		10Hz to 55Hz 1.5mm DA	
Termination		PCB	
Unit weight		Approx. 6g	
Construction		Plastic sealed, Flux proofed	

- Notes:1) The data shown above are initial values.
 - 2) Please find coil temperature curve in the characteristic curves below.3) In order to obtain better electrical endurance, it's better not use
 - this product in the high temperature environment.

COIL	
Coil power	Standard: Approx. 450mW;
	Sensitive: Approx.200mW

COIL DATA

Standard type

Nominal Voltage VDC	Pick-up Voltage VDC max.	Drop-out Voltage VDC min.	Max. Allowable Voltage VDC	Coil Resistance Ω
3	2.25	0.15	3.9	20 x (1±10%)
5	3.75	0.25	6.5	55 x (1±10%)
6	4.50	0.30	7.8	80 x (1±10%)
9	6.75	0.45	11.7	180 x (1±10%)
12	9.00	0.60	15.6	320 x (1±10%)
18	13.5	0.90	23.4	720 x (1±10%)
24	18.0	1.20	31.2	1280 x (1±10%)
48	36.0	2.40	62.4	5120 x (1±10%)

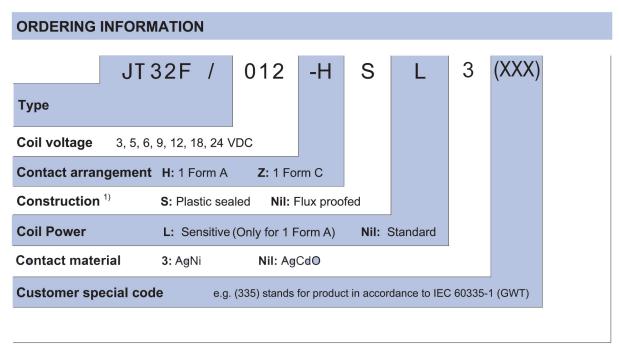
Sensitive type (Only for 1 Form A)

Nominal Voltage VDC	Pick-up Voltage VDC max.	Drop-out Voltage VDC min.	Max. Allowable Voltage VDC	Coil Resistance Ω
3	2.25	0.15	4.5	45 x (1±10%)
5	3.75	0.25	7.5	125 x (1±10%)
6	4.50	0.30	9.0	180 x (1±10%)
9	6.75	0.45	13.5	400 x (1±10%)
12	9.00	0.60	18.0	720 x (1±10%)
18	13.5	0.90	27.0	1600 x (1±10%)
24	18.0	1.20	36.0	2800 x (1±10%)
48	36.0	2.40	72.0	11520 x (1±10%)



SAFETY APPROVAL RATINGS			
UL&CUL 1 H		H型: 5A 250VAC /30VDC 70°C 10A 125VAC 70°C	
	HL型: 3A 250VAC /30VDC 70°C 5A 125VAC 70°C		
	1 Z	3A 250VAC/30VDC 70°C	
1 H	H型: 5A 250VAC /30VDC 70°C		
	1 H	HL型: 3A 250VAC /30VDC 70°C	
	1 Z	3A 250VAC/30VDC 70°C	

Notes: Only some typical ratings are listed above. If more details are required, please contact us.

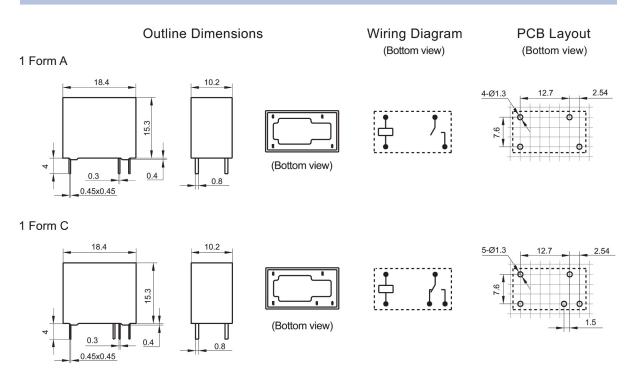


Notes: 1) Under the ambience with dangerous gas like H₂S, SO₂ or NO₂, plastic sealed type is recommended; Please test the relay in real applications. If the ambience allows, flux proofed type is preferentially recommended.

If water cleaning is required after the relay is assembled on PCB, please contact us for suggestion about suitable parts.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm



Remark: 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 is always ±0.1mm.
- 3) The width of the gridding is 2.54mm.

CHARACTERISTIC CURVES

