JT102FW

SOLAR RELAY



- Environmental friendly product (RoHS compliant)
- Outline Dimensions:(30.5 x 16.0 x 26.5)mm

CONTACT DATA

control etc..

Contact arrangement	1A
Contact resistance ¹⁾	100mΩ max.(at1A 6VDC)
Contact material	AgSnO ₂
Contact rating	32A 250VAC/277VAC 35A 250VAC/277VAC
Max.switching voltage	277VAC
Max.switching current	35A
Max.switching power	9695VA
Mechanical endurance	1 x 10 ⁶ ops
Electrical endurance	3x10⁴ ops(35A 277VAC, Resistive load, 1s on 9s off) 5x10⁴ ops(32A 277VAC, Resistive load, 1s on 9s off)

Solar inverter, AC/DC power control, industrial

Notes: 1)The data shown above are intial values.

CHARACTERISTICS

Insulation resistance		e	1000MΩ(at 500VDC)	
strongth	Between coil&contacts		4500VAC 1min	
	Between open contacts		2500VAC 1min	
Surge withstand voltage		Itage	10kV(1.2/50µs)	
Operate time(at nomi.volt.)		ni.volt.)	20ms max.	
Release time(at nomi.volt.)		mi.volt.)	10ms max.	
		Functional	100m/s ²	
Shock resistance	Destructive	1000m/s ²		
Vibration resistance		9	10Hz to 55Hz 1.5mm DA	
Humidity			5% to 85% RH	
Ambient tenperature		e	-40°C to 85°C	
Termination			PCE	
Unit weight			Approx. 23g	
Construction			Dust protected	

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

- Product in accordance to IEC60335-1 available

COIL

Coil power	Approx. 1.4W
Holding voltage ⁽¹⁾	40% to 55% U _ℕ (at 23°C) 50% to 55% U _ℕ (at 85°C)

Notes: 1)The coil holding voltage is the voltage applied to coil 100ms after the rated voltage. To avoid overheating and burning, the coil can not be consistently applied to with voltage larger than maximun holding voltage.

COIL DATA				at 23°C
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated current mA	Coil Resistance Ω
5	≤3.75	≥0.50	280	18 x (1±10%)
9	≤6.75	≥0.90	156	58 x (1±10%)
12	≪9.00	≥1.20	117	103 x (1±10%)
18	≤13.5	≥1.80	78	231 x (1±10%)
24	≤18.0	≥2.40	58	411 x (1±10%)
48	≤36.0	≥4.80	29	1646 x (1±10%)

Notes: 1) The data shown above are intial values.

2)Maximum Voltage refers to the maximum voltage which relay coil could endure in a short period of time.

SAFETY APPROVAL RATINGS

UL/CUL TUV CQC	32A 250VAC/277VAC 85°C 35A 250VAC/277VAC 85°C
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Notes: 1)Only typical loads are listed above.

Other load specificationgs can be avaliable upon request.

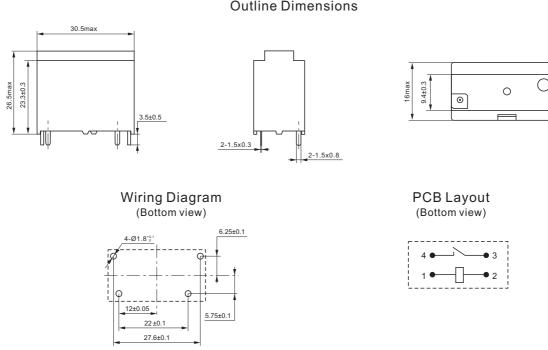


ORDERING INFORMATION					
	JT102FW/	Т	-12VDC	(XXX)	
Туре				· · ·	
Contact material	T: AgSnO ₂				
Coil voltage	5, 9, 12, 18, 24, 48VDC				
Special code ³⁾ XXX : Customer special requirement NiI : Standrad					

Notes:1) JT102FW is dust protected products, water cleaning is not allowed. 3) The customer special requirement express as special code after evaluating by JINTIAN.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm



Outline Dimensions

Remark:1) The pin dimension of the product outline drawing is the size before tinning (it will become larger after tinning), and the mounting hole size is the recommended design size of the PCB board hole. The specific PCB board hole design size can be mapped and adjusted according to the actual producet.

- 2) In case of no tolerance shown in outline dimension:outline dimension \leq 1mm,tolerance should be \pm 0.2mm;outline dimension> $1mm \ and \leqslant 5mm, tolerance \ should \ be \pm 0.3mm; outline \ dimension > 5mm, tolerance \ should \ be \pm 0.4mm.$
- 3) The tolerance without indicating for PCB layout is always±0.1mm.

Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact JINTIAN for the technical service. However, it is the user's responsibility to determine which product should be used only.

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