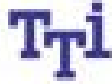




# Relays & Solenoids

## TTI\_PCB Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### PERFORMANCE (at initial value)

Item	Type	TRJ
Shock resistance Function Destructive		100m/s <sup>2</sup> 1000m/s <sup>2</sup>
Life Expectancy Mechanically Electrically		1x10 <sup>7</sup> ops. Min. (no load) 1x10 <sup>5</sup> ops. Min. (at rated coil voltage)
Weight		Abt. 7grs

### CONTACT RATING

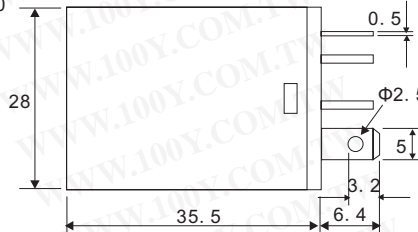
Item	Type	TRJ	
		1 Form A	1 Form C
Contact Capacity Resistive Load (cosΦ=1)		5A 30VDC 5A 250VAC 10A 125VAC	5A 30VDC 5A 250VAC 10A 125VAC
			3A 30VDC 3A 250VAC
Rated Carrying Current		10A	3A
Max. Allowable Voltage		30VDC 277VAC	
Max. Allowable Current		10A	3A
Max. Allowable Power Force		150W 1250VA	
Contact Material		Ag Alloy	

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Type
23026	TRJ-12D-FB-AL	TTI	TTI Relay	20.5*10.6*15.3mm	1 Form A	5A 250VAC/30VDC	12VDC	TRJ
23027	TRJ-12D-SB-CD0.4W	TTI	TTI Relay	20.5*10.6*15.3mm	1 Form C	5A 250VAC/30VDC	12VDC	TRJ
23028	TRJ-24D-FB-CD	TTI	TTI Relay	20.5*10.6*15.3mm	1 Form C	5A 250VAC/30VDC	24VDC	TRJ
23033	TRJ-24D-SB-CD	TTI	TTI Relay	20.5*10.6*15.3mm	1 Form C	5A 250VAC/30VDC	24VDC	TRJ
23034	TRJ-5D-SB-AL	TTI	TTI Relay	20.5*10.6*15.3mm	1 Form A	5A 250VAC/30VDC	5VDC	TRJ
23035	TRJ-5D-SB-CD	TTI	TTI Relay	20.5*10.6*15.3mm	1 Form C	5A 250VAC/30VDC	5VDC	TRJ

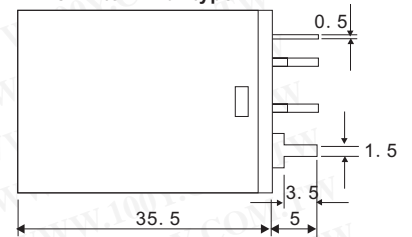
### MAIN FEATURES

- Long life and high reliability
- Strong construction for vibration and shock
- Approximately thousands for kinds are available depending on the combination of terminals, covers, contact ratings, coil etc.
- Plastic-sealed type is available
- Molded material : All UL 94V-0
- UL & cUL recognized

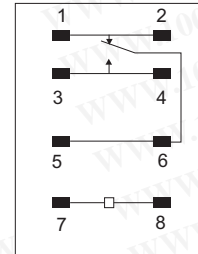
#### Standard cover type



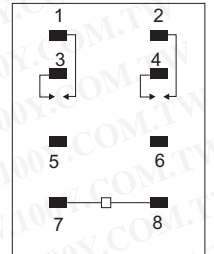
#### P. C. B terminal type



#### SPDT (1C)



#### DPDT (2C)



### APPLICATIONS

- Coil operated machines
- Vending machines
- Refrigerators
- Transportations
- Power station control equipment
- Office machines
- Building control equipment
- Medical equipment
- Amusement devices, etc.

### PERFORMANCE (at initial value)

Contact Resistance	Max. 100mΩ
Operation time (at nominal voltage)	Max. 25msec
Release time (at nominal voltage)	Max. 25msec
Operating frequency	20ops/minute
Insulation resistance	Min. 100MΩ (at 500VDC)
Vibration resistance	Functional : 6G 10 to 55 Hz, at double amplitude of 1mm Destructive : 12G 10 to 55 Hz, at double amplitude of 2mm
Shock resistance	Functional : Min, 20G Destructive : Min, 100G
Dielectric strength	1500VAC. for 1minute between coil and contact. 750VAC. for 1minute between contact sets. 750VAC. for 1minute between open contacts.
Ambient temperature	-40° to +70°C
Humidity	40 to 85% RH
Life expectancy	Mechanical : 1x10 <sup>7</sup> operations Electrical : 2x10 <sup>5</sup> operations (at rated load)
Weight	abt 37grs.

### CONTACT RATING

Item	Arrangement	TRL-1C	TRL-2C
		SPDT (1C)	DPDT (2C)
Rated load		15A 250VAC 15A 30VDC	10A 250VAC 10A 30VDC
Carrying current		15A	10A
Max. switching voltage		250VAC, 30VDC	
Max. switching current		15A	10A
Max. switching power		3750VA, 450W	2500VA, 300W
Min. permissible load		5VDC 100mA	
Contact material		AgCdO	

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
23036	TRL-110A-P-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	110VAC	UL	TRL
23037	TRL-110A-S-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	110VAC	UL	TRL
23038	TRL-110D-P-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	110VDC	UL	TRL
23039	TRL-12D-P-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	12VDC	UL	TRL
23040	TRL-12D-S-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	12VDC	UL	TRL
23041	TRL-24A-P-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	24VAC	UL	TRL
23042	TRL-24D-P-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	24VDC	UL	TRL
23043	TRL-24D-S-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	24VDC	UL	TRL
23044	TRL-5D-S-2C	TTI	TTI Relay	28.0*21.0*35.5mm	DPDT	10A 250VAC/30VDC	5VDC	UL	TRL

