



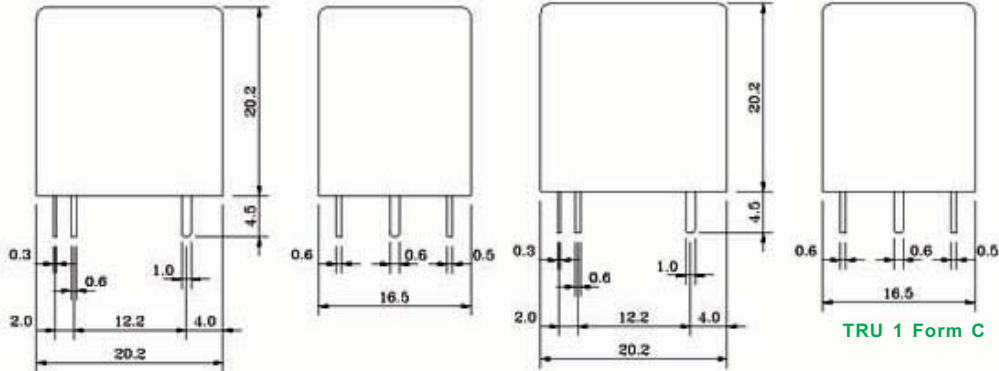
# Relays & Solenoids

## TTI\_PCB Relays

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



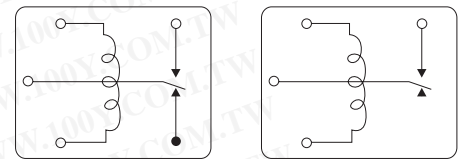
TRU 1 Form A and TRUT (TV-5)



### PERFORMANCE (at initial value)

Item	Type	TRU
Contact Resistance		100mΩ Max
Operation Time		15msec Max.
Release Time		5msec Max.
Dielectric Strength	Between coil & contact	1500VAC 50/60Hz (1 minute)
	Between contacts	750VAC 50/60Hz(1 minute)
Surge Resistiveness		3000V (between coil & contact1x40 usec)
Insulation resistance		100MΩ Min. (500VDC)
Max. ON/OFF Switching	Mechanically	300 operation/min
	Electrically	30 operation/min
Shock resistance	Endurance	100G Min.
	Error Operation	10G Min.
Vibration	Functional	10 to 55Hz Double Amplitude 1.5mm
	Destructive	10 to 55Hz Double Amplitude 1.5mm
Operating Ambient Temperature		-30°C to +80°C (No water condensation and no water drop)
Operating Humidity		45 to 85% RH
Coil Temperature Rise		35 deg. Max.
Life expectancy	Mechanically	10x10 <sup>6</sup> ops. Min. (no load)
	Electrically	10x10 <sup>4</sup> ops. Min. (at rated coil voltage)
Weight		abt. 12grs.

### CONTACT RATING



Item	Type	TRU		TRUT TV-5
		12A	15A	
Contact Capacity Resistive Load (cosΦ=1)		12A 28VDC	12A 28VDC	15A 28VDC
		12A 120VAC	15A 125VAC	15A 125VAC
		10A 250VAC	10A 250VAC	10A 250VAC
Inductive Load (cosΦ=0.4 L/R=7msec)		5A 240VAC	7A 120VAC	120VAC TV-5 Incandescent Lamp 5A Rush Current 80A
		5A 28VDC	7A 28VDC	
Rated Carrying Current		12A	15A	15A
Max. Allowable Voltage		250VAC, 110VDC	250VAC, 110VDC	250VAC, 110VDC
Max. Allowable Current		12A	15A	15A
Max. Allowable Power Force		1500VA/350W	1800VA/420W	1800VA/420W
Referenced Min. Applicable Load		5VDC, 10mA	5VDC, 10mA	10VDC, 10mA
Contact Material		Ag Alloy	Ag Alloy	Ag Alloy

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
23101	TRU-12D-FB-AL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From A	12A 120VAC/28VDC	12VDC	UL,CSA	TR U
23102	TRU-12D-FB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28V DC	12VDC	UL,CSA	TR U
23103	TRU-12D-FC-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	12VDC	UL,CSA	TRU
23104	TRU-12D-SB-AL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From A	12A 120VAC/28VDC	12VDC	UL,CSA	TRU
23105	TRU-12D-SB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	12VDC	UL,CSA	TRU
23106	TRU-24D-FB-AL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From A	12A 120VAC/28VDC	24VDC	UL,CSA	TRU
23107	TRU-24D-FB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	24VDC	UL,CSA	TRU
23108	TRU-24D-FC-CD	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	24VDC	UL,CSA	TRU
23109	TRU-24D-SB-CD	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	24VDC	UL,CSA	TRU
23110	TRU-24D-SB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	24VDC	UL,CSA	TRU
23111	TRU-3D-SB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	3VDC	UL,CSA	TRU
23112	TRU-48D-FB-AL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From A	12A 120VAC/28VDC	48VDC	UL,CSA	TRU
23113	TRU-5D-FB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	5VDC	UL,CSA	TRU
23114	TRU-5D-SB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	5VDC	UL,CSA	TRU
23115	TRU-6D-FB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	6VDC	UL,CSA	TRU
23116	TRU-9D-FB-CL	TTI	TTI Relay	20.2*16.5*20.2mm	1 From C	12A 120VAC/28VDC	9VDC	UL,CSA	TRU

### MAIN FEATURES

- High capacity type (16A) available.
- High sensitivity 0.2W (1 Form A).
- Flat type : LWH=16.5mmx22.2mmx11.2mm.
- UL, cUL and TUV recognized

### APPLICATIONS

- Home appliances : Air conditioner, heater, etc.
- Automotive : Power supply for car stereo and air conditioner.



• We provide a wide range of products to development and maintenance engineers in all type of business

## Centenary Materials



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