



TRS

➤ MAIN FEATURES

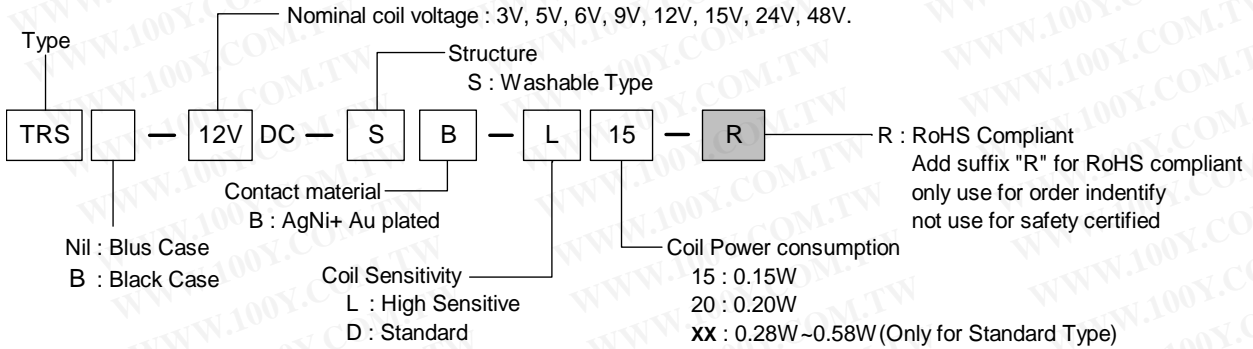
- 2 Form C (DPDT) bifurcated-cross-bar contacts.
- Gold Clad silver contact.
- Dip-2C type matching 16pin IC socket.
- Sealed type available.
- UL and CUL recognized.
- High sensitivity.
- Coil Power Consumption : 0.15 ~ 0.50W



➤ APPLICATIONS

- Telecommunication equipment, domestic appliances, office machines, audio equipment, etc.

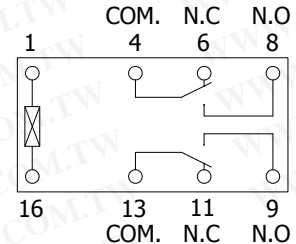
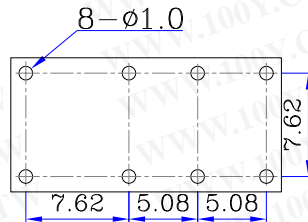
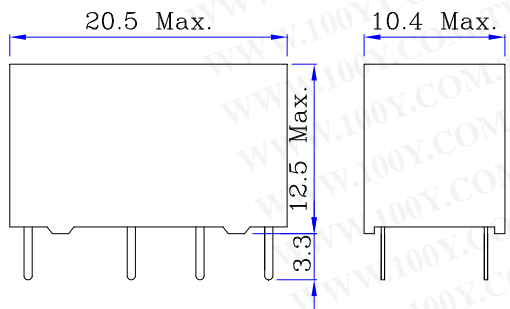
➤ ORDERING INFORMATION



■ DIMENSION (unit:mm)

■ DRILLING (unit:mm)

■ WIRING DIAGRAM



(Bottom views)

Remark: 1. In case of no tolerance shown in dimension: $\pm 0.5\text{mm}$.
2. The tolerance without indicating for DRILLING is always $\pm 0.1\text{mm}$.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
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[Http://www.100y.com.tw](http://www.100y.com.tw)

➤ COIL DATA CHART (at 20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance $\pm 10\%(\Omega)$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRS / TRSB -L Type (High sensitivity)	5	5	29.9	167	abt. 0.15W	80% Max.	5% Min.	150%
	6	6	25.0	240				
	9	9	16.7	540				
	12	12	12.5	960				
	3	3	66.7	45	abt. 0.2W	80% Max.	5% Min.	150%
	5	5	40	125				
	6	6	33.3	180				
	9	9	22.2	405				
	12	12	16.7	720				
	24	24	8.3	2880				
TRSB -D Type (Standard)	3	3	100	30	abt. 0.28W ~0.58W	80% Max.	5% Min.	150%
	5	5	55.6	90				
	6	6	46.2	130				
	9	9	32.1	280				
	12	12	26.7	450				
	24	24	15	1600				
	48	48	12	4000				

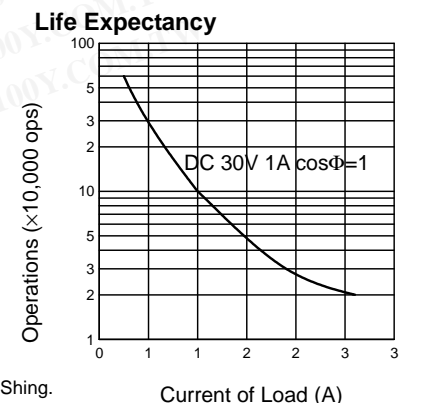
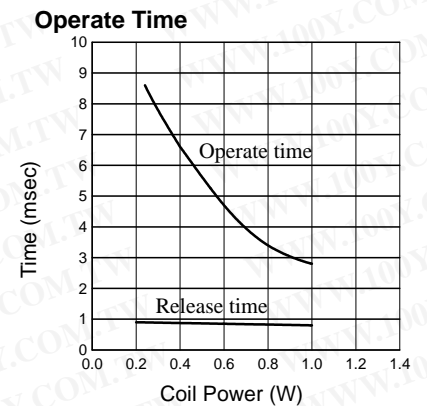
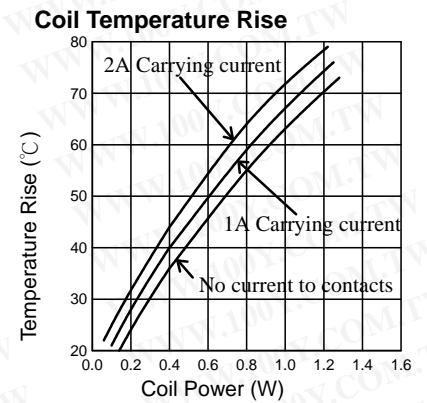
➤ CONTACT RATING

Item	Type	TRS	TRSB
Contact Capacity		0.5A 125VAC	1A 125VAC
Resistive Load ($\cos\Phi=1$)		2A 28VDC	2A 30VDC
Rated Carrying Current		2A	
Max. Allowable Voltage		125VAC, 28VDC	125VAC, 30VDC
Max. Allowable Current		2A	
Max. Allowable Power Force		62.5VA, 56W	125VA, 60W
Referenced Min. Applicable Load		100mVDC 0.1mA	
Contact Material		AgNi + Au plated	

➤ PERFORMANCE (at initial value)

Item	Type	TRS	TRSB
Contact Resistance		100mΩ Max.	
Operation Time		8msec Max.	
Release Time		5msec Max.	
Dielectric Strength			
Between coil & contact (1 minute)		1000VAC 50/60Hz	1500VAC
Between contacts (1 minute)		500VAC 50/60Hz	750VAC
Surge Resistiveness		1500V	
Insulation Resistance (at 500VDC)		1000 MΩ Min.	
Max. ON/OFF Switching			
Mechanically		300 operation/min	
Electrically		30 operation/min	
Operating Ambient Temperature		-30°C to +70°C (No water condensation and no water drop)	
Operating Humidity		45 to 85% RH	
Coil Temperature Rise		40 deg. Max. (at rated coil voltage)	
Vibration			
Endurance		10 to 55Hz Double Amplitude 1.5mm	
Error Operation		10 to 55Hz Double Amplitude 1.5mm	
Shock			
Endurance		980m/s ² .	
Error Operation		196m/s ² .	
Life Expectancy			
Mechanically		2 × 10 ⁷ ops. Min. (no load)	
Electrically		1 × 10 ⁵ ops. Min.	
Weight		abt. 5grs.	
UL & CUL		E156521	

➤ REFERENCE DATA



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing. (1215AA03VOL01)

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