

► FEATURES

- DIL pitch terminals, Surface mount type with “L” shaped terminal;
- Conforms to FCC Part 68 2.5KV Surge and Dielectric 2000VAC;
- High contact capacity 2A/30VDC;
- Application for Telecommunication Equipment、Security Alarm Systems、Measuring instruments、Medical Monitoring Equipment、Audio Visual Equipment、Flight Simulator、Sensor Control.



TC
15.0*7.5*9.4



TC S
15.0*7.5*9.8

► CONTACT DATA

Contact Arrangement	2C	
Contact Material	Silver alloy	
Contact Rating (resistive)	2A/30VDC	
Max. Switching Power	60W	
Max. Switching Voltage	220VDC	Max. Switching Current:2A
Contact Resistance or Voltage drop	≤70mΩ	
Operation life	Electrical	1×10 ⁵ (2A/30VDC) 5×10 ⁵ (1A/30VDC)
	Mechanical	10 ⁸

► COIL PARAMETER

Coil voltage (VDC)		Coil resistance (Ω ±10%)	Pickup voltage(max) (VDC) (75%of rated voltage)	release voltage(min) (VDC) (10% of rated voltage)	Coil power consumption (W)	Operate Time (ms)	Release Time (ms)
Rated	Max.						
3	4.5	64.3	2.25	0.3	0.14	≤4	≤4
4.5	6.7	145	3.38	0.45			
5	7.5	178	3.75	0.5			
6	9.0	257	4.50	0.6			
9	13.5	579	6.75	0.9			
12	18.0	1028	9.00	1.2			
24	36.0	4114	18.0	2.4			
1Coil Latching							
3	4.5	90	2.25	-2.25	0.10	≤4	≤4
4.5	6.7	202.5	3.38	-3.38			
5	7.5	250	3.75	-3.75			
6	9.0	360	4.50	-4.50			
9	13.5	810	6.75	-6.75			
12	18.0	1440	9.00	-9.00			
24	36.0	5760	18.0	-18.0			

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

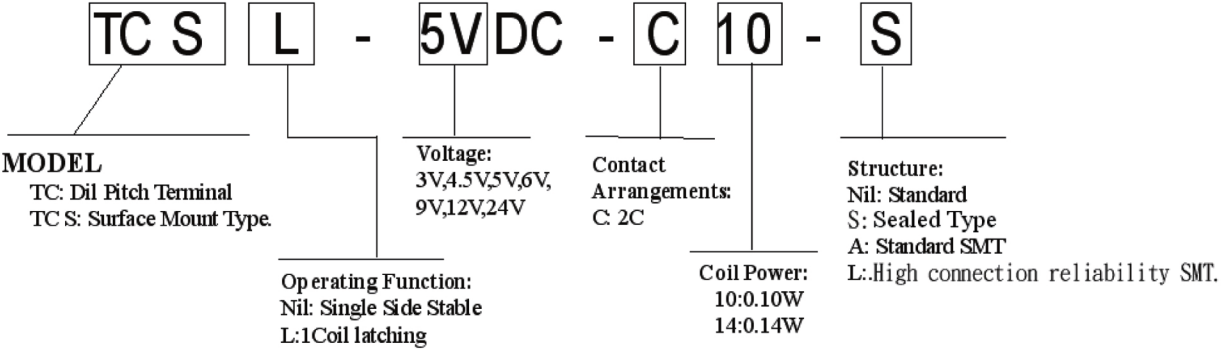
GOLDSUN ELECTRONICS CO., LTD.

JAMECO NO. 2081650			GOLDSUN NO. TC-5VDC-C14	
Description Electromechanical Relay				Rev. 1
UNIT: mm	SCALE:	SHEET 1 OF 1	CAS No: ERN No:	

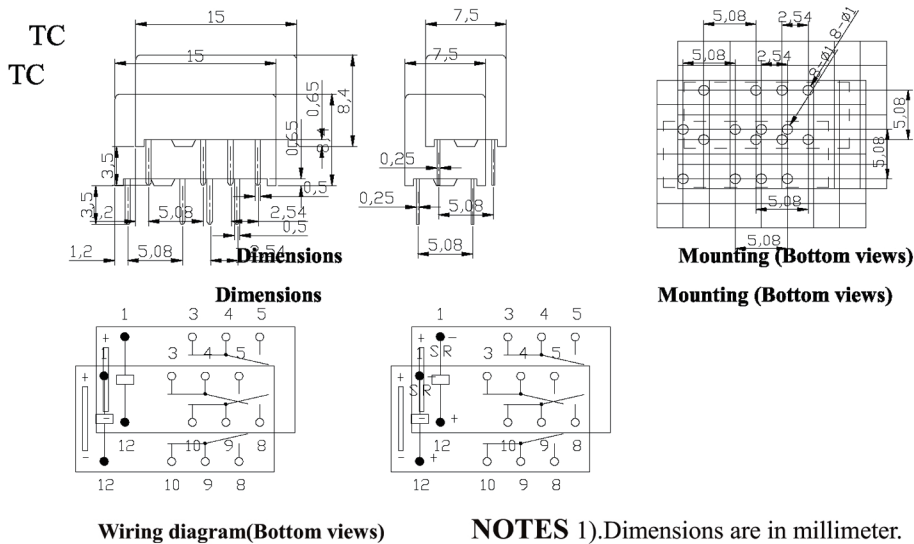
► OPERATION CONDITION

Insulation Resistance	1000M Ω min (at 500VDC)
Dielectric Strength	
Between open contacts	1000VAC 1min
Between contact and coil	2000VAC 1 min
Between Contact Poles	1000VAC
Surge Withstand Voltage	
Between open contacts	1500V
Between Contact Poles	2500V
Shock resistance	Functional :750m/s ² 11ms Survival:1000m/s ² 6ms
Vibration resistance	10~55Hz double amplitude Functional:3.3mm Survival:5mm
Terminals strength	5N
Solder ability	250°C $\pm$ 2°C 3 $\pm$ 0.5s
Ambient Temperature	-40~85°C
Relative Humidity	5% to 85%
Weight	2g

► ORDERING INFORMATION



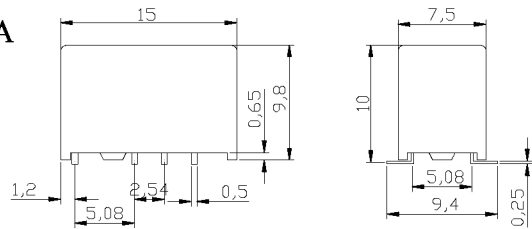
► DIMENSIONS (UNIT: mm)



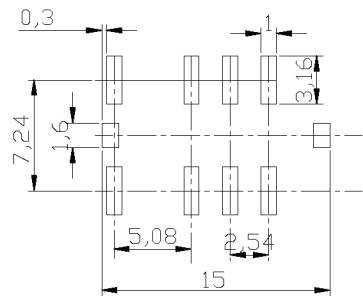
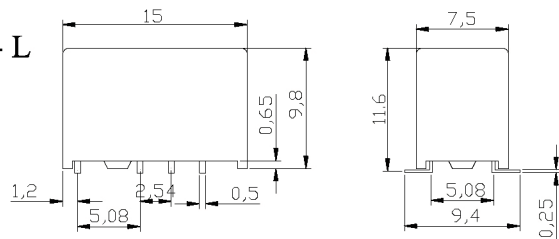
GOLDSUN ELECTRONICS CO., LTD.

JAMECO NO.	2081650	GOLDSUN NO.	TC-5VDC-C14
Description	Electromechanical Relay		Rev. 1
UNIT: mm	SCALE:	SHEET 1 OF 1	CAS No: ERN No:

TC S - A

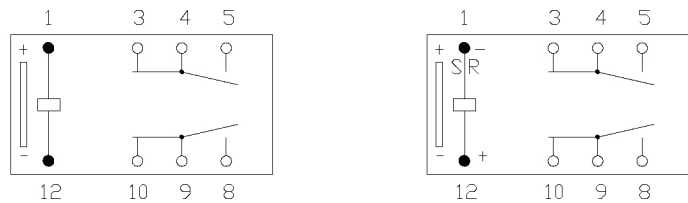


TC S - L



Mounting (Bottom views)

Dimensions



Wiring diagram(Bottom views)

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Description Electromechanical Relay			Rev. 1
UNIT: mm	SCALE:	SHEET 1 OF 1	CAS No: ERN No: