Features

- Offers excellent board space savings
- Surge withstand voltage up to 1500V
- Low power consumption
- High contact capacity 1A 30VDC
- Monostable or bi-stable relays single and double coil magnet latching type available
- Environmental friendly product (RoHS compliant)
- Dimensions: 14.0 x 9.0 x 5.0 mm

Application

- Telecommunication Equipment / Office Equipment / Security Alarm Systems / Measuring Instruments / Medical Monitor Equipment / Audio Visual Equipment / Flight Simulator / Sensor Control, etc.

Contact Data

Contact Arrangement	2C
Contact Material	Ag Alloy
Contact Rating	0.5A 125VAC, 1A 30VDC
Max. Switching Power	62.5VA / 30W
Max. Switching Voltage	250VAC / 220VDC
Max. Switching Current	1A
Contact Resistance	≦50mΩ
Electrical Endurance	$1x10^5$ (0.5A 125VAC) $2x10^5$ (1A 30VDC)
Mechanical Endurance	$1x10^8$

Coil Parameter (at 23℃)

Single Side Stable

Coil Voltage (VDC)		Coil Resistance (Ω±10%)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
3	4.5	64.3	2.25	0.30	0.14
5	7.5	178	3.75	0.50	
6	9.0	257	4.50	0.60	
9	13.5	579	6.75	0.90	
12	18.0	1028	9.00	1.20	
24	36.0	2880	18.0	2.40	0.20

1 Coil Latching

Coil Voltage (VDC)		Coil Resistance (Ω±10%)	Set Voltage(max) (VDC)	Reset Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
3	4.5	90	2.25	2.25	0.10
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	3840	18.0	18.0	0.15

Coil Parameter (at 23℃)

2 Coils Latching

Coil Voltage (VDC)		Coil Resistance (Ω±10%)	Set Voltage(max) (VDC)	Reset Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
3	4.5	45/45	2.25	2.25	0.20

Coil Parameter (at 23℃)

2 Coils Latching

Coil Voltage (VDC)		Coil Resistance (Ω±10%)	Set Voltage(max) (VDC)	Reset Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
5	7.5	125/125	3.75	3.75	0.20
6	9.0	180/180	4.50	4.50	
9	13.5	405/405	6.75	6.75	
12	18.0	720/720	9.00	9.00	
24	36.0	1920/1920	18.0	18.0	0.30

Operation Condition

Insulation Resistance		1000MΩ min (at 500VDC)
Dielectric Strength	Between Contacts	1000VAC 1min
	Between Contact and Coil	1000VAC 1min
	Between Contact Sets	1000VAC 1min
Surge Withstand Voltage	Between Contacts	1500VAC
	Between Contact and Coil	1500VAC
	Between Contact Sets	2500VAC
Shock Resistance	Functional	500m/s^2
	Endurance	1000m/s^2
Vibration Resistance		10~55Hz double amplitude 3.0mm
Ambient Temperature		-40 ~ +70℃
Operate Time		≦2ms
Release Time		≦1ms (Single side stable) ≦2ms (Latching type)
Weight		Approx. 1.5g

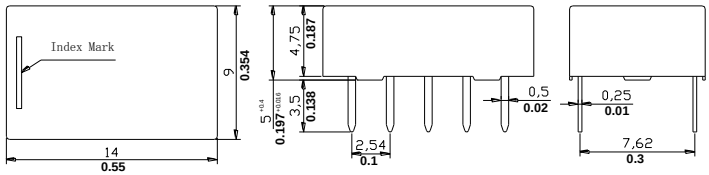
Ordering Information

		P	L	-5
Model	**P**: Standard DIP **PS**: Standard SMT			
Coil Sort	**Nil**: Single side stable **L:** 1 coil latching **K**: 2 coil latching			
Coil Voltage	3, 5, 6, 9, 12, 24 VDC			

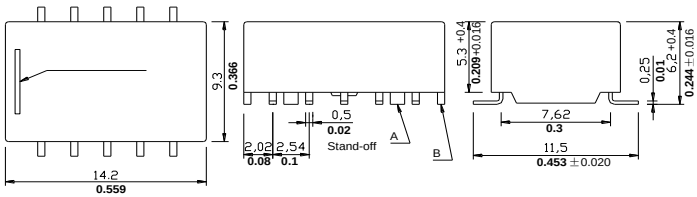
Dimensions (UNIT: mm)

Outline Dimensions

P type

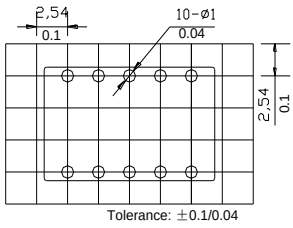


PS type



Mounting (Bottom views)

P type



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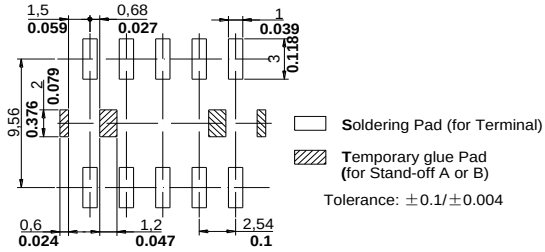
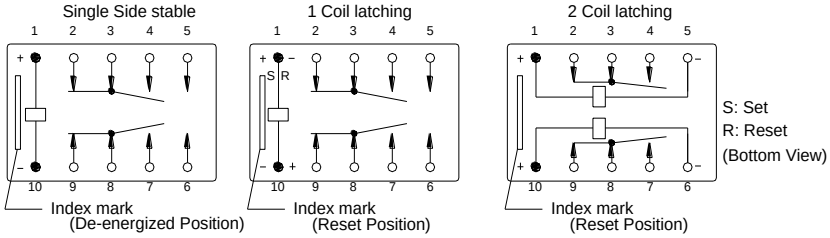


Dimensions (UNIT: mm)

Wiring Diagram (Bottom views)



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≦1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≦5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

2) 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 IOEC for the technical service. However, it is the user's responsibility to determine which product should be used only.