R-TECH

General Purpose Power Relay, Non-Latching, SPST-NO, 5VDC, 12VDC & 24VDC, 10A



DESCRIPTION

General Purpose Micro miniature Non-Latching SPST-NO Power Relays. These general purpose, single pole, through hole mounting power relays are designed for switching control signals within circuits.

DISTINCTIVE FEATURES

- Microminiature Size
- Fully Sealed Construction
- Non-Latching
- SPST-NO Contact
 Configuration
- Contact Form: 1 Form A
- PCB Mounting

APPLICATIONS

The small dimensions of these micro miniature relays make them suitable for a wide range of applications including automation control, measurement, and industrial equipment.





ELECTRICAL SPECIFICATION

Contact Form	1 Form A (SPST)		
Contact Rating		Resistive: 10A 250VAC	
Contact Resistance	Maximum	100mΩ (6VDC 1A)	
Insulation Resistance	Minimum	1000MΩ 500VDC	
	Maximum Switching Voltage	277VAC/30VDC	
	Maximum Switching Current	10A	
Load	Maximum Switching Power	2500VA,300W	
	Minimum Switching Load	5VDC,100mA	
	Between open contacts	1,000VAC, 1min	
Dielectric Strength	Between coil and contacts	4,000VAC, 1min	

Coil Data

8-8-8Ambient Temperature: 23°C

Part number	Nominal Voltage VDC	Coil Resistance Ω+/-10%	Operate Voltage ≤VDC	Release Voltage ≥VDC	Coil Power mW
61-6310	5	55.6	3.5	0.5	450
61-6311	12	320	8.4	1.2	450
61-6312	24	1280	16.8	2.4	450

GENERAL SPECIFICATION

Series	Power Relays
Mounting Type	PCB mounting
RoHS	Yes



MATERIALS

Contact Material	Ag Alloy
Outer Case Material	Plastic sealed



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CERTIFICATION AND STANDARDS

File Number	Contact Form	Power Consumption	Coil Voltage	Contact rating	Remarks
	A	0.45W/0.2W	5-24VDC	10A 250VAC	Ambient Temperature: 85ºC
UL E164730	A	0.45W	5-24VDC	1/3HP 240VAC	Ambient Temperature: 65ºC
	A	0.45W/0.2W	5-24VDC	1/4HP 240VAC	Ambient Temperature: 65ºC
TUV 50223752	A	0.45W/0.2W	3-24VDC	10A 250VAC	Class F Insulation Ambient Temperature: 85ºC
CQC 12002076143	A	0.45W/0.2W	3-24VDC	10A 250VAC	Class F Insulation Ambient Temperature: 85ºC

Specifications subject to change without notice.

ISO9001, IATF16949, ISO14001 Approved

ENVIRONMENTAL/OPERATING SPECIFICATION

Life	Electrical Life	100,000 operations	
Life	Mechanical Life	1,000,000 operations	
Operate Time	Maximum 10ms		
Release Time	Maximum 5ms		
Operating Temperature	-40°C to +85°C 35~95%RH, +40°C		
Humidity			
Chaoly Desistance	Endurance 1,000m/s ²		
Shock Resistance	Misoperation	100m/s ²	
Vibration Desistance	Endurance	10~55Hz, 1.5mm double amplitude	
Vibration Resistance	Misoperation 10~55Hz, 1.5mm double amplitude		

TERMINALS

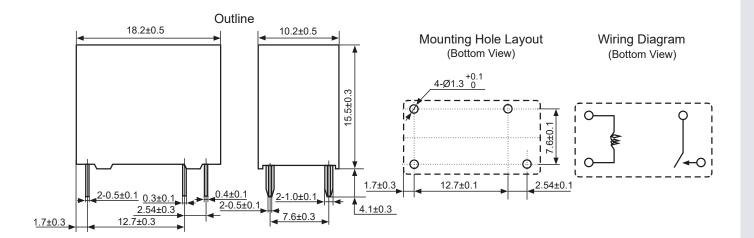
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Terminal Type	Solder pins
Terminal Dimensions	See drawing on page 4



DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions (Summary)	18.2 × 10.2 × 15.5
Length	18.2
Width	10.2
Height (Excluding pins)	15.5
Weight	6g (approx.)





	OPTIONS (MOQ may apply)	
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Also available with a Coil Voltage of	6 & 9V in 1 Form A.
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PART NUMBER TABLE

	Part number	Nominal Coil Voltage	UNSPSC	EAN	Country of Origin
	61-6310	5VDC	39122325	5053556019021	China
	61-6311	12VDC	39122325	5053556019038	China
Γ	61-6312	24VDC	39122325	5053556019045	China

For further information on pricing, delivery, and long-term stock agreements please contact your local business development person, telephone our main office on **01206 838000** or email **Sales@Rapidonline.com**.

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