

FEATURES

- Very slim size (width 5 mm) comes with low price
- Environmentally friendly (RoHS Compliant) and meets UL E133481 and VDE 40020043 regulations
- High flammability class – UL94, V-O CTI 250, VDE 0631/0700
- Vibration resistance: 10Hz to 55Hz 1mm DA
- Ambient temperature: -40°C up to +85°C
- Wash tight and flux proof

RS PRO, 12V dc Coil Non-Latching Relay SPDT, 6A Switching Current PCB Mount, Single Pole

RS Stock No.: 476-634



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Innovation brings new solutions and makes life more comfortable for us all. An electrical switching device is one of them to appreciate from Automotive engines, industrial machinery to more tangible in household applications, regardless whether it is latching or non-latching Relay. They both represent a different approach to application functionality, bringing your electronics world to life.

General Specifications

Contact Configuration	SPDT
Number of Poles	1
Construction	Wash tight and flux proof
Operate Time	8ms max (at nominal Volt)
Release Time	4ms max (at nominal Volt)
Applications	Automotive engines, Household applications, Industrial machinery, Medical equipment, Telecommunications equipment

Electrical Specifications

Coil Power	170mW
Coil Voltage	12V dc
Coil Resistance	848 Ω
Switching Current	6A
Isolation Coil To Contact	4kV ac
Terminal Type	Through Hole
Insulation resistance	1000MΩ (at 500VDC)
Dielectric Strength	Between coil & contacts 4000VAC 1min Between open contacts 1000VAC 1min

Contact Data

Contact Arrangement	1A, 1C
Contact Rating	6A 250VAC/30VDC (Resistive load)
Maximum Switching Voltage (AC)	400V ac
Maximum Switching Voltage (DC)	125V dc
Maximum Switching Current (AC)	6A
Maximum Switching Current (DC)	6A
Maximum Switching Power (AC)	1.5 kVA
Maximum Switching Power (DC)	180 W
Contact Resistance	100mΩ max. (at 1A 6VDC); Gold Plated: 30mΩ (at 1A 6VDC)
Contact Material	AgSnO ₂ , AgNi
Mechanical Endurance	1x10 ⁷ OPS
Electrical Endurance	1x10 ⁵ OPS

Mechanical Specifications

Mounting Type	PCB Mount
Depth	5mm
Length	28mm
Height	15mm
Unit Weight	Approx. 5.4g

Operation Environment Specifications

Ambient Temperature	-40°C to 85°C
Humidity	5% to 85% RH
Shock Resistance	Functional 98m/s ² , Destructive 980m/s ²
Vibration Resistance	10Hz to 55Hz 1mm DA

Protection Category

IP Rating	IP67
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Approvals

Compliance/Certifications	RoHS compliant
Standards Met	UL E134517, VDE 40014057

