

NOTES:

1.Circuit:ON/OFF Tungsten Lamp

2.Operation force:  $500 \pm 200$ gf

3.Electrical rating:10A 125/250VAC  
6A 250VAC  
10(4)A 250VAC

4.Contact resistance: $< 30m\Omega$  (intital)

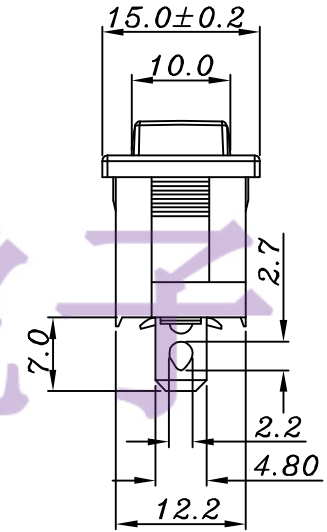
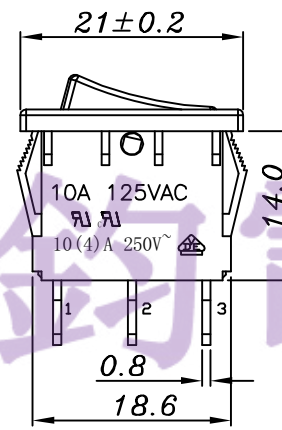
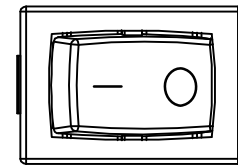
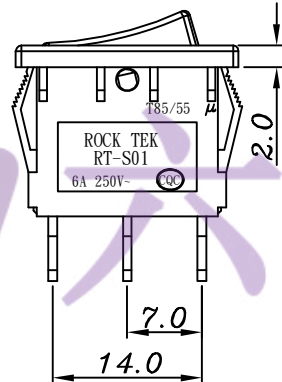
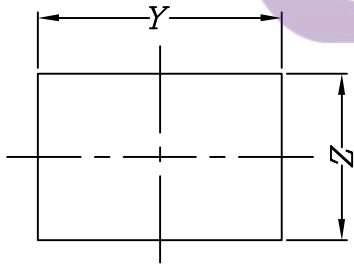
5.Insulation resistance: $> 1000M\Omega$ (500VDC)  
between open contacts)

6.Dielectric strength: $> 1500VAC$  1 minute

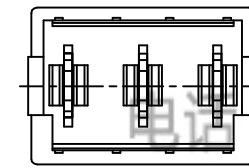
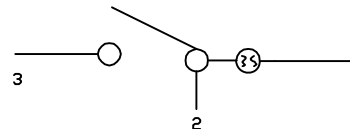
7.Color: cover is red, body is black.

Panel cut - out:

X	Dim.Y	Dim.Z
0.75~1.25mm	$19.20 + 0.1 / - 0$	$12.80 + 0.1 / - 0$
1.25~2.0mm	$19.30 + 0.1 / - 0$	$12.80 + 0.1 / - 0$



Circuit of Switch



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NO	DESCRIPTION	NO	DESCRIPTION	ANGLES	TOLERANCE	APPROVED	CHECKED	DESIGN	DRAWN	ALL SIZE ARE IN	MM	DRAWING NO. REV	
5	→	10	→		DIMENSIONAL TOLERANCES					SCALE	FIT	WIF110012	A
4	→	9	→		RANGE					MAT'L	***		
3	→	8	→	X	±0.4				LJQ	MATERIAL NO.			
2	→	7	→	X.X	±0.3					RT-S01-113-L4LBR			
1	→	6	→	X.XX	±0.2								
				±0.5°		LEGION ELECTRONIC & HARDWARE CO., LTD							

1.Scope

This specification covers the RT-S01 series rocker switch.

2.Rating

10A 125VAC UL,CUL

10(4)A 250VAC VDE

6A 250VAC CQC

3.Standard

UL1054, EN60158-1 2002, GB15092

4.Dimensions

Dimensions of this switch are shown on the following drawing.

5.Electrical

5.1. Contact Resistance

The contact resistance should be 50m $\Omega$  (Max).

5.2. Insulation resistance

It is measured with 500V DC 1 minute should be 100M $\Omega$  (Min).

5.3.Dielectric strength

(Between terminals of open contacts and terminals of opposite polarity)

Dielectric strength should withstand without breakdown a potential of AC  
1500V/minute.

(Between terminals and metal frame)

Dielectric strength should withstand without breakdown a potential of AC  
1500V/minute

6.Terminal Strength

Using a static force of 5kg in one direction on the tip terminal for 1 minute.

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ROCK TEK ELECTRONICS(SHENZHEN)CO., LTD.

富 力 隆 電 子 ( 深 圳 ) 有 限 公 司

**Specification Of RT-S01 Series Rocker Switch** page:2/2

The terminal may be deformed, but should not sustain any trouble as deviation  
And breaking of terminal and breaking of insulation.

7.Life test

All of the electrical life all over 10,000 cycles.

8.Soldering test

The terminals shall be well soldered of dipped place of immersed place in the solder.  
Dipped in molten solder of  $260^{\circ}\pm 5^{\circ}\text{C}$  and the dwell time in solder is 3~5 seconds and  
More than 75% of the dipped shall be covered by solder.

9. Humidity test

The switch shall be stored at a temperature of  $40\pm 2^{\circ}\text{C}$  and a humidity of 90% to 95%  
for 96 hours. Then the switch shall be maintained at standard atmospheric condition  
for 1 hour after which measurement shall be made. The shall be no deformation or cracks  
in molded part.

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## WOYR2.E300970 Switches, Appliance and Special Use - Component

For enhanced search functionality, please visit UL's [iQ™ Family of Databases](#).  
Click on a product designation for complete information.

[Page Bottom](#)

### Switches, Appliance and Special Use - Component

[See General Information for Switches, Appliance and Special Use - Component](#)

**ROCK TEK ELECTRONICS INDUSTRY CORP**

E300970

98 GUANGUANG RD  
BAO'AN DISTRICT, GUANLAN TOWN  
SHENZHEN, GUANGDONG 518110 CHINA

**Investigated to ANSI/UL 1054**

Cat. No.	Amps	Volts	Hz	Load	Endurance	Temp C	POL/THR	Per Pole/Circuit Code	SPCOA
<b>M1</b>	7.5	125	60	GP	6K	75	1/2	-/A	-
	5	250	60	GP	6K				
<b>RT-M2,f/b 0, 1, 2, 3, 4, 5 or 6</b>									
	5	125	60	GP	6K	85	1/2	-/A	-
	5	250	60	GP	6K				
	6	30	DC	R	6K				
<b>RT-P02</b>	7	14	DC	-	6K	65	1/2	-/A	-
<b>RT-P03</b>	16	125	60	GP	6K	85	1/1	-/A	Note 2
	16	250	60	GP	6K				
	-	125	60	3/4hp	6K				
<b>RT-P04</b>	16	125	60	GP	6K	95	1/1	-/A	-
	-	125	60	1/2hp	6K				
<b>RT-P05</b>	14	125	50/60	GP	6K	65	2/1	-/B	Note 11A
	14	250	50/60	GP	6K				
	-	125	50/60	1/2hp	6K				
	-	250	50/60	1hp	6K				
<b>RT-S01</b>	10	125	60	GP	6K	85	1/1	-/A	
	6	250	60	GP	6K				
<b>RT-S01A</b>	10	125	60	GP	6K	85	1/1	-/A	Note 2
	6	250	60	GP	6K				
<b>RT-S02</b>	15	125	60	GP	6K	85	1/1	-/A	-
	8	250	60	GP	6K				
<b>RT-S02A</b>	15	125	60	GP	6K	85	1/1	-/A	Note 2
	8	250	60	GP	6K				
<b>RT-S03</b>	16	125	60	GP	6K	105	2/1	-/B	-
	16	250	60	GP	6K				
	-	125	60	1/3hp	6K				
<b>RT-S03A</b>	16	125	60	GP	6K	105	2/1	-/B	Note 2
	16	250	60	GP	6K				

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	-	125	60	1/3hp	6K				
<b>RT-S05</b>	15	125	60	GP	6K	125	2/2	-/B	-
<b>RT-S06 f/b A or Blank</b>	16	125	60	GP	6K	85	1/1	-/A	Note 2
	10	250	60	GP	6K				
	-	125	60	3/4hp	6K				
	-	250	60	1hp	6K				

Note 11A - Switch may be marked with the voltage rating single or double underlined for tested using 240 V or 250 V to ground.

Note 2 - These are lighted switches employing a lamp. The usable lamp life has not been evaluated.

Marking: Company name, catalog, model or part number, electrical ratings and the Recognized Component Mark,  on the product or on the smallest unit container in which the product is packaged.

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**WOYR8.E300970****Switches, Appliance and Special Use Certified for Canada - Component**For enhanced search functionality, please visit UL's [iQ™ Family of Databases](#).

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Page Bottom

**Switches, Appliance and Special Use Certified for Canada - Component**[See General Information for Switches, Appliance and Special Use Certified for Canada - Component](#)**ROCK TEK ELECTRONICS INDUSTRY CORP**

E300970

98 GUANGUANG RD

BAO'AN DISTRICT, GUANLAN TOWN

SHENZHEN, GUANGDONG 518110 CHINA

**Investigated to CSA-C22.2 No. 55**

Cat. No.	Amps	Volts	Hz	Load	Endurance	Temp C	POL/THR	Per Pole/Circuit Code	SPCOA
<b>M1</b>	7.5	125	60	GP	6K	75	1/2	-/A	-
	5	250	60	GP	6K				
<b>RT-M2,f/b 0, 1, 2, 3, 4, 5 or 6</b>									
	5	125	60	GP	6K	85	1/2	-/A	-
	5	250	60	GP	6K				
	6	30	DC	R	6K				
<b>RT-P02</b>	7	14	DC	-	6K	65	1/2	-/A	-
<b>RT-P03</b>	16	125	60	GP	6K	85	1/1	-/A	Note 2
	16	250	60	GP	6K				
	-	125	60	3/4hp	6K				
<b>RT-P04</b>	16	125	60	GP	6K	95	1/1	-/A	-
	-	125	60	1/2hp	6K				
<b>RT-P05</b>	14	125	50/60	GP	6K	65	2/1	-/B	Note 11A
	14	250	50/60	GP	6K				
	-	125	50/60	1/2hp	6K				
	-	250	50/60	1hp	6K				
<b>RT-S01</b>	10	125	60	GP	6K	85	1/1	-/A	
	6	250	60	GP	6K				
<b>RT-S01A</b>	10	125	60	GP	6K	85	1/1	-/A	Note 2
	6	250	60	GP	6K				
<b>RT-S02</b>	15	125	60	GP	6K	85	1/1	-/A	-
	8	250	60	GP	6K				
<b>RT-S02A</b>	15	125	60	GP	6K	85	1/1	-/A	Note 2
	8	250	60	GP	6K				
<b>RT-S03</b>	16	125	60	GP	6K	105	2/1	-/B	-
	16	250	60	GP	6K				
	-	125	60	1/3hp	6K				
<b>RT-S03A</b>	16	125	60	GP	6K	105	2/1	-/B	Note 2
	16	250	60	GP	6K				

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	-	125	60	1/3hp	6K				
<b>RT-S05</b>	15	125	60	GP	6K	125	2/2	-/B	-
<b>RT-S06 f/b A or Blank</b>	16	125	60	GP	6K	85	1/1	-/A	Note 2
	10	250	60	GP	6K				
	-	125	60	3/4hp	6K				
	-	250	60	1hp	6K				

Note 11A - Switch may be marked with the voltage rating single or double underlined for tested using 240 V or 250 V to ground.

Note 2 - These are lighted switches employing a lamp. The usable lamp life has not been evaluated.

Marking: Company name, catalog, model or part number, electrical ratings and the Recognized Component Mark for Canada,  on the product or on the smallest unit container in which the product is packaged.

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Rock Tek Electronics  
(Shenzhen) Co., Ltd.  
No. 98 Guanguang Road  
Guanlan Town  
518110 BAOAN DISTRICT, SHENZHEN CITY  
CHINA

ist berechtigt, für ihr Produkt /  
is authorized to use for their product

**Geräteschalter**  
**Switch for appliances**

die hier abgebildeten markenrechtlich geschützten Zeichen  
für die ab Blatt 2 aufgeführten Typen zu benutzen /  
the legally protected Marks as shown below for the types referred to on page 2 ff.

*legion* 大鈞電子



Geprüft und zertifiziert nach /  
Tested and certified according to

DIN EN 61058-1 (VDE 0630-1):2008-09; EN 61058-1:2002 + A2:2008  
IEC 61058-1:2000  
IEC 61058-1:2000/AMD1:2001  
IEC 61058-1:2000/AMD2:2007

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VDE Prüf- und Zertifizierungsinstitut GmbH  
VDE Testing and Certification Institute  
Zertifizierungsstelle / Certification

*M. Tasotti*

Aktenzeichen: 5004990-4401-0002 / 233125

File ref.:

Ausweis-Nr. 40018133

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /  
further conditions see overleaf and following pages

Offenbach, 2006-06-29

(letzte Änderung / updated 2017-03-30)

M. Tasotti  
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Aktenzeichen / File ref.

5004990-4401-0002 / 233125 / CC1 / LF

letzte Änderung / updated

2017-03-30

Datum / Date

2006-06-29

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*This supplement is only valid in conjunction with page 1 of the Certificate No. 40018133.*

## Geräteschalter Switch for appliances

Typ(en) / Type(s)

### RT-S01

Bemessungsspannung, AC Rated voltage, AC	250 V
Bemessungsstrom Rated current	10(4) A
Art und Anschluss von Schaltern Type and connection of switches	Wippenschalter ; Kode 1.2 Rocker switch ; code 1.2
Abschaltung Disconnection	Mikro Abschaltung micro disconnection
Schaltzyklen Number of operating cycles	10E3
Umgebungs-Lufttemperatur Ambient air temperature	T85/55
Art der Montage Method of mounting	zum Einbau in Geräte der Schutzklasse I und II Incorporated in class I and class II equipment
Art der Betätigung Method of actuating	direkte Betätigung direct actuating
Schalter der Kategorie Switch category	3
Glühdrahtprüfung (GWT) Glow-wire test (GWT)	850°C

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Fortsetzung siehe Blatt 3 /  
continued on page 3

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Kriechstromfestigkeit  
Tracking resistance

PTI 250

Anschluss  
Type of terminal

Lötanschluss  
Solder terminal

Überspannungskategorie  
Overvoltage category

II



Verschmutzungsgrad  
Degree of pollution

2

Werkstoffgruppe  
Material group

IIIa

Weitere Angaben siehe Anlage  
Further information see appendix

Nr. 1 vom 2017-03-30  
No. 1 dated 2017-03-30

Anmerkung

Luft- und Kriechstrecken zwischen unter Spannung stehenden  
Teilen und dem Betätiger: Verstärkte Isolierung

Remark

Clearance and creepage distances between live parts and the  
actuating mean: Reinforced insulation

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit den grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2014/35/EU**.

*This Marks Approval is a basis for the EC Declaration of Conformity and the CE Marking by the manufacturer or his agent and proves the conformity with the essential safety requirements of the **EC Low-Voltage Directive 2014/35/EU**.*

VDE Prüf- und Zertifizierungsinstitut GmbH  
VDE Testing and Certification Institute  
Fachgebiet CC1  
Section CC1

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# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /  
Certificate No. Supplement  
40018133

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Aktenzeichen / File ref.

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2017-03-30

Datum / Date

2006-06-29

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40018133.

*This supplement is part of the Certificate No. 40018133.*

## Geräteschalter Switch for appliances

### Fertigungsstätte(n) Place(s) of manufacture

Referenz/Reference  
**30024144**

Dongguan Legion Electronic & Hardware  
Co., Limited  
TongDe Xi Rd., Sicun, Shijie Town  
523304 DONGGUAN  
Guangdong  
CHINA



VDE Prüf- und Zertifizierungsinstitut GmbH  
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2017-03-30

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*The approval is solely signed on the first page.*

