TCS 深圳市泰科讯数码技术有限公司 TYCOONSHIP SHENZHEN TYCOONSHIP DIGITAL TECHNOLOGY CO.,LTD.

Features

2 pole relay suitable for signal circuit.

High sensitive polarized relay.

100mW pick-up power. (200mW Electric power consumption)

150mW Electric power consumption available.

High reliability and long life.

1 x 108(mechanical life), 3 x 105(2A 30VDC electrical life)

High breakdown voltage.

1,500VAC Between coil and contact.

1,000VAC Between open contacts.

Gold-clad Silver palladium contact available, too.

Sealed construction.

Approved by UL / C-UL



Actual size

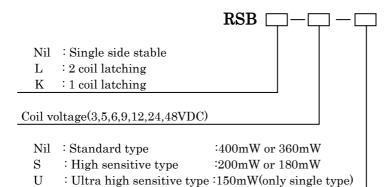
Applications

Switch board, Facsimile, Telephones Audio equipment, Industrial machines

UL / C-UL Rating

 $2A\ 30VDC$, $1A120VAC\ (UL/C\ UL\ File\ No.E128155)$

Model Number



Products Line (Single side stable, Standard type)(at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Coil resistance (ohm)	Nominal operating current (mA)	Electric power consumption (mW)	Max .allowable voltage (VDC)
RSB-3	3		100/	22.5	133.3		4.6
RSB-5	5	700/		62.5	80.0	400	7.7
RSB-6	6	70%	10% Min .of	90	66.7		9.3
RSB-9	9	Max .of nominal	nominal	203 44.9	44.3		14.0
RSB-12	12	voltage	voltage	360	33.3		18.7
RSB-24	24		voitage	1,440	16.7		37.4
RSB-48	48			5,760	8.3		74.8

网址:www.tycoonship.com 邮箱:tcs@tycoonship.com 电话:+86-0755-83558846

TCS 深圳市泰科讯数码技术有限公司 TYCOONSHIP DIGITAL TECHNOLOGY CO.,LTD.

Products Line (Single side stable, High sensitive type)(at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Coil resistance (ohm)	Nominal operating current (mA)	Electric power consumption (mW)	Max .allowable voltage (VDC)
RSB-3-S	3		100/	45	66.7		5.9
RSB-5-S	5	700/		125	40.0		9.8
RSB-6-S	6	70% Max .of	10% Min of	180	33.3		11.7
RSB-9-S	9	nominal	nominal	in .of 406 22.2	200	17.7	
RSB-12-S	12	voltage	voltage	720	16.6		23.5
RSB-24-S	24		voitage	2,880	8.3		47.1
RSB-48-S	48			11,520	4.2		94.3

Products Line (Single side stable, Ultra high sensitive type)(at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Coil resistance (ohm)	Nominal operating current (mA)	Electric power consumption (mW)	Max .allowable voltage (VDC)
RSB-3-U	3			60	50.0		6.9
RSB-5-U	5	80%	10%	167	29.9		11.5
RSB-6-U	6	Max .of	Min .of	240	25.0	150	13.8
RSB-9-U	9	nominal	nominal	540	16.6	150	20.7
RSB-12-U	12	voltage	voltage	960	12.5		27.6
RSB-24-U	24			3,840	6.2		55.2

Products Line (2 coil latching, Standard type)(at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Set voltage (VDC)	Reset voltage (VDC)	Coil resistance (ohm)	Nominal operating current (mA)	Electric power consumption (mW)	Max .allowable voltage (VDC)
RSBL-3	3			25 120		4.6	
RSBL-5	5	70%	5 00/	69.4	72		7.8
RSBL-6	6	Max .of	70% Min .of	% 100 60 1.of 225 40 360	60		9.3
RSBL-9	9	nominal			360	14.0	
RSBL-12	12	voltage	nominal - voltage -	400	30		18.7
RSBL-24	24		voitage	1,600	15		37.4
RSBL-48	48			6,400	7.5		74.8

Products Line (2 coil latching, High sensitive type)(at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Set voltage (VDC)	Reset voltage (VDC)	Coil resistance (ohm)	Nominal operating current (mA)	Electric power consumption (mW)	Max .allowable voltage (VDC)
RSBL-3-S	3		70%	50	60		5.8
RSBL-5-S	5	70%		139	36	180	9.8
RSBL-6-S	6	Max .of	Min .of	200	30		11.8
RSBL-9-S	9	nominal	nominal – voltage –	450	20		17.7
RSBL-12-S	12	voltage		800	15		23.6
RSBL-24-S	24		voitage	3,200	7.5		47.2
RSBL-48-S	48			12,800	3.8		94.4

Products Line(1 coil latching, Standard type)(at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Set voltage (VDC)	Reset voltage (VDC)	Coil resistance (ohm)	Nominal operating current (mA)	Electric power consumption (mW)	Max .allowable voltage (VDC)
RSBK-3	3			25	120		4.6
RSBK-5	5	700/	500/	69.4	72		7.8
RSBK-6	6	70% Max .of	70%	100	60		9.3
RSBK-9	9	nominal	nominal	Min .of 225 40	40	360	14.0
RSBK-12	12	voltage	voltage	400	30		18.7
RSBK-24	24		voitage	1,600	15		37.4
RSBK-48	48			6,400	7.5		74.8

网址:www.tycoonship.com 邮箱:tcs@tycoonship.com 电话:+86-0755-83558846

SHENZHEN TYCOONSHIP DIGITAL TECHNOLOGY CO.,LTD.

Products Line (1 coil latching, High sensitive type)(at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Set voltage (VDC)	Reset voltage (VDC)	Coil resistance (ohm)	Nominal operating current (mA)	Electric power consumption (mW)	Max .allowable voltage (VDC)
RSBK-3-S	3			50	60		5.8
RSBK-5-S	5	700/	700/	139	36		9.8
RSBK-6-S	6	70% Max .of	Min .of	70% 200 30	30		11.8
RSBK-9-S	9	nominal	nominal	450	20	180	17.7
RSBK-12-S	12	voltage	voltage	800	15		23.6
RSBK-24-S	24		voitage	3,200	7.5		47.2
RSBK-48-S	48			12,800	3.8		94.4

	Item		Specifications				
Туре			Standard / High sensitive type	Ultra high sensitive type			
	Arrangement		2c				
Contact	Initial contact res	istance max.	Max. 50 milliohm	Max. 50 milliohm			
	Material		Silver nickel, gold clad				
	Nominal switching	Capacity	2A30VDC , 1A125VAC*				
Rating	Max .switching po	ower	60W, 125VA				
Naumg	Max .switching vo	oltage	220VDC, 250VAC				
	Max .switching cu	ırrent	2A				
	Initial insulation	resistance	Min.100 megohm (at 500VI	OC)			
	Withstanding	Between open contacts	AC1,000V (1 minute)				
Electrical specification	voltage (Initial)	Between contacts and coil	AC1,500V (1 minute)				
	Coil Temperature (at nominal Volta		Max.40 degree Celsius (Standard type) Max.30 degree Celsius (High sensitive type)	Max. 25 degree Celsius			
	Operate time(Set & (at nominal voltage		Max.5msec	Approx. 7msec			
	Release time(at n	ominal voltage)	Max.3.5msec	Approx. 2msec			
	Shock	Functional	Min.392m/s ² (40G)				
Mechanical	resistance	Destruction	Min.980 m/s ² (100G)				
specification	Vibration	Functional	10 to 55Hz at double amplitude of 1.5mm				
	resistance Destruction		10 to 55Hz at double amplitude of 1.5mm				
	Mechanical life		100,000,000 Operations(at 600cpm)				
Life expectancy	Electrical life(at r	ating)	300,000 operations (2A30VDC, 1A125VAC) 1000,000 operations (1A30VDC, 0.5A125VAC) (at 20cpm)	100,000 operations (2A30VDC, 1A125VAC) 500,000 operations (1A30VDC, 0.5A125VAC (at 20cpm)			
Ambient temperature	Operating		-40 to +70 degree Celsius (without being frozen)				
Unit weight			Approx.4.5g				

^{*}These AC ratings are under random phase-control. In driving AC load, life expectancy so greatly depends on the phase at turning on or off so that user should check selected relays with actual load

邮箱:tcs@tycoonship.com 网址:www.tycoonship.com 电话:+86-0755-83558846

Dimensions

Unit:mm

Dimensions	PC board pattern (Bottom view)	Schematics (Bottom view)		
RSB(Single side stable , 1 coil latching)	RSB(Single side stable , 1 coil	RSB(Single side stable , 1 coil		
20 9.9 _	latching)	latching)		
7.62 5.08 5.08 7.62	V 1. 2 2. 54 V 8-\$1.0	1 4 6 8 + 0 0 0 0 - 0 0 0 0 16 13 11 9		
		Reverse polarity available		
RSBL(2 coil latching)	RSBL(2 coil latching)	RSBL(2 coil latching)		
20 9.9 9.9 0.6 0.3 2.54 5.08 5.08 5.08 7.62	1. 2. 54 10-\$1.0	1 2 4 6 8 +		

Note

- 1. The appearance and specifications of the product may be modified without prior notice to improve its performance.
- 2. This catalog shows only outline specifications. When using the product, please obtain formal specifications for supply.
- 3. Please see appendix "Technical Definitions" and "Technical Notes".
- 4. Please feel free to contact us for relays with the specifications not shown in this catalogue.
- 5. Please confirm the performance on actual operation by simulation with actual environments for high reliability.

网址:www.tycoonship.com

邮箱:tcs@tycoonship.com

电话:+86-0755-83558846