



BS6



R 50518124



CQC21002323896



E 361440

23*16.2*10.6mm

Product Features

- ◆ Heavy Load:16A,Max 20A
- ◆ High Sensitivity:200mW
- ◆ Fit for PCB
- ◆ Complies with RoHS-Directive
- ◆ Flat type
- ◆ Flux-tight&Sealed type available
- ◆ Dimensions: 23.0*16.2*10.6 mm

Contact Rating

Contact Form	1A	
Contact Material	AgCdO AgSnO ₂	
Contact Load	1A: 12A/125VAC, 250VAC, 277VAC, 30VDC	
Capacity	1A-P: 16A/250VAC,30VDC 1/4HP 1/3HP 125VAC E.B 800VA/120VAC 960VA/120VAC	
Switching Power Max.	480W 4000VA	
Switching Voltage Max.	30VDC/250VAC	
Switching Current Max.	20A	
Contact Resistance Max.	100mΩ (1A 24VDC)	
Life expectancy	Electrical	10 ⁵
	Machanical	10 ⁷

Coil Rating

Rated Power: 5, 6, 9, 12, 18, 24, 48VDC

Pick up voltage: 80% of rated coil power

Drop out voltage: 10% of rated coil power

Rated Coil power: 200mW / 360mW

Safety Certification

Approval	CQC	TUV	UL
Load	16A 250VAC 16A 30VDC	16A 250VAC 16A 30VDC	16A 277VAC 16A 125VAC TV-5

At 25℃

1A 200mW						1A 360mW					
No.	Coil Voltage		Coil Resistance $\Omega \pm 10\%$	Pick up (VDC) Max. (80% of Rated Voltage)	Drop out (VDC) Min.(10% of Rated Voltage)	No.	Coil Voltage		Coil Resistance $\Omega \pm 10\%$	Pick up (VDC) Max. (80% of Rated Voltage)	Drop out (VDC) Min.(10% of Rated Voltage)
	Rated	Max.					Rated	Max.			
005	5.0	6.5	125	4.00	0.50	005	5.0	6.5	62.5	4.00	0.50
006	6.0	7.8	180	4.80	0.60	006	6.0	7.8	90	4.80	0.60
009	9.0	11.7	405	7.20	0.90	009	9.0	11.7	202.5	7.20	0.90
012	12.0	15.6	720	9.60	1.20	012	12.0	15.6	360	9.60	1.20
018	18.0	23.4	1620	14.40	1.80	018	18.0	23.4	810	14.40	1.80
024	24.0	31.2	2880	19.20	2.40	024	24.0	31.2	1440	19.20	2.40
048	48.0	52.8	11520	38.40	4.80	048	48.0	52.8	5760	38.40	4.80

Technical Rating

Insulation Resistance		Min.1000M Ω (500VDC)	IEC 60255-5
Dielectric Strength	Between Coil&Contact	2500VAC 1min	IEC 60255-5
	Between Contacts	1000VAC 1min	IEC 60255-5
Operate Time		$\leq 10\text{ms}$	
Release Time		$\leq 5\text{ms}$	
Shock Resistance		Operation extremes 10G Damage limits 100G	IEC 68-2-27 test Ea
Vibration Resistance		10Hz~55Hz amplitude 1.5mm	IEC 68-2-6 test Fc
Leading-out Form		PCB type	IEC 68-2-21 test Ua1
Ambient Temperature		- 40℃~85℃; - 40℃~105℃	
Relative Humidity		85% RH	IEC 68-2-3 test Ca
Weight		Approx.8.0g	
Package		Sealed,Solder-proof type	

Designation
BS6-12-AST-P

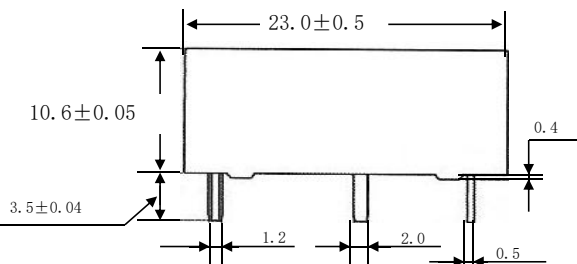
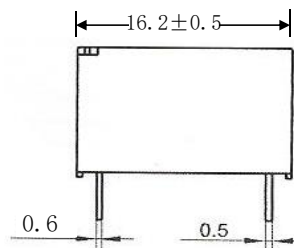
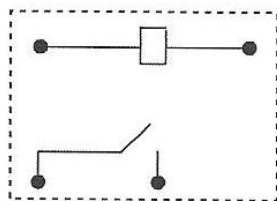
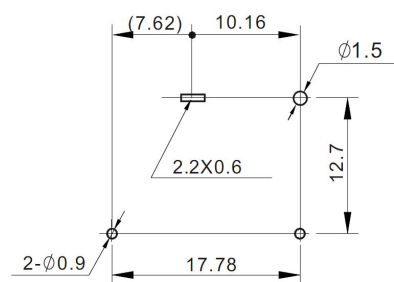
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|--|---|
| 1、 BS6 : Model No. | 2、 12 : Coil rated power(VDC):5,6,9,12,18,24,48 |
| 3、 A : Contact Form: one group of Normally Open | 4、 S : Sealed type; None: Flux-tight type |
| 5、 T : Contact Material: AgSnO ₂ ; D:AgCdo | 6、 P : heavy-load 16A/20A; None: Normal type 12A |

Note:(1) Applying under polluted environment(containing H₂S、SO₂、NO₂、dust contaminants), sealed type is recommended, and please confirm during pratical applying; when entire washing is unnecessary, solder-proof type is recommended.When installed on PCB,and entire washing is needed,please notice us before order, so as to provide proper items

(2) Applying at 105℃ environment temperature, please choose heavy load solder-proof items in advance.

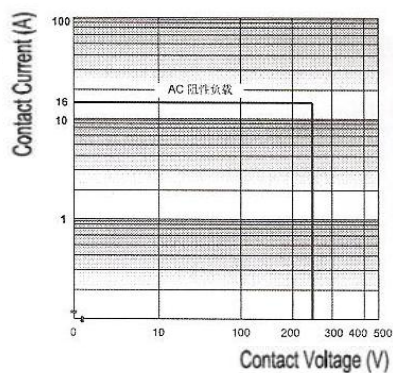
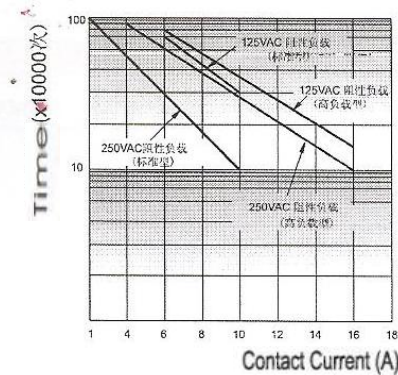
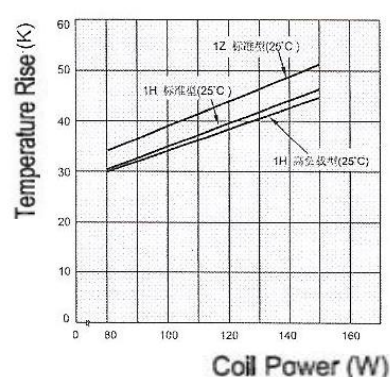
Dimensions

Unit:mm

Outline Dimension(1)

Outline Dimension(2)

Wiring Diagram(Bottom View)

Bottom View Layout


Note:(1).Tolerance is not marked on part of outline dimensions. Dimensions ≤ 1 mm,Tolerance ± 0.2 mm; Dimensions(1~5)mm, Tolerance ± 0.3 mm; Dimensions > 5 mm,Tolerance ± 0.4 mm.
(2).Tolerance in bottom view layout is ± 0.1 mm.

Engineering Data

Switching Power Max.

Electric endurance curve

Temperature Rising


Note:All specifications are for customers' reference only.Please contact us for any special requirements.