BAS/BS/SC SERIES SPDT 1,2,5 Amp

File No.:E75887

FEATURES

- FCC Pt 68
- Small Package
- Fully sealed
- PC Pin
- Sensitive type and standard type are available

CONTACT RATINGS

Contact Arrangement	1C
Contact Resistance	100mΩ (1A 24VDC)
Contact Material	AgNi，Gold FLash，Silver Alloy
Contact Rating(Resistive)	1A 125VAC/30VDC 1A 240VAC/30VDC 2A 125VAC,3A 120VAC 5A/120VAC
Max. Switching Voltage	120VAC/30VDC
Max. Switching Current	2A DC/AC BAS,BS,SC 5A DC/AC BAS 511
Max. Switching Power	600VA/60W
Mechanical Life	5×10^6 operations
Electrical Life	5×10^5 operations resistive load 24VDC,1A 1×10^5 operations resistive load 120VAC,0.5A

CHARACTERISTICS

Insulation Resistance		100MΩ (at 500VDC)
Dielectric Strength	Between coil & contacts	1000VAC 1min
	Between open contacts	500VAC 1min
Operate time (at nomi. volt.)		≤10ms
Release time (at nomi. volt.)		≤5ms
Humidity		35% ~ 85% RH
Ambient temperature		-25°C ~ +70°C
Shock Resistance	Functional	98m/s²
	Destructive	980m/s²
Vibration resistance		10Hz ~ 55Hz 1.5mm DA
Unit weight		Approx. 4g
Construction		Sealed、Covered

Notes:1) The data shown above are initial values.
2) Please find coil temperature curve in the characteristic curved below.

ORDERING INFORMATION

BAS 111 DC12 GF - 1 - XXX

- Model
- Coil Power:111=Standard type
  511=Standard type heavy load
- Coil Voltage
- GF:Gold Flash Contacts NIL:No Gold Flash
- 1:Covered Nil:Sealed
- Customer code

BS/SC 211 DC12 GF - 1 - XXX

- Model
- Coil Power:211=Sensitive type
- Coil Voltage
- GF:Gold Flash Contacts NIL:No Gold Flash
- 1:Covered Nil:Sealed
- Customer code

COIL DATA at 23°C

Standard Type

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance Ω±10%
3	2.1	0.3	3.3	20
5	3.5	0.5	5.5	56
6	4.2	0.6	6.6	80
9	6.3	0.9	9.9	180
12	8.4	1.2	13.2	320
24	16.8	2.4	26.4	1280
48	33.6	4.8	52.8	5120

Sensitive Type

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance Ω±10%
3	2.1	0.3	4.8	45
5	3.5	0.5	8.0	120
6	4.2	0.6	9.6	180
9	6.3	0.9	14.4	400
12	8.4	1.2	19.2	700
24	16.8	2.4	38.4	2800

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COIL

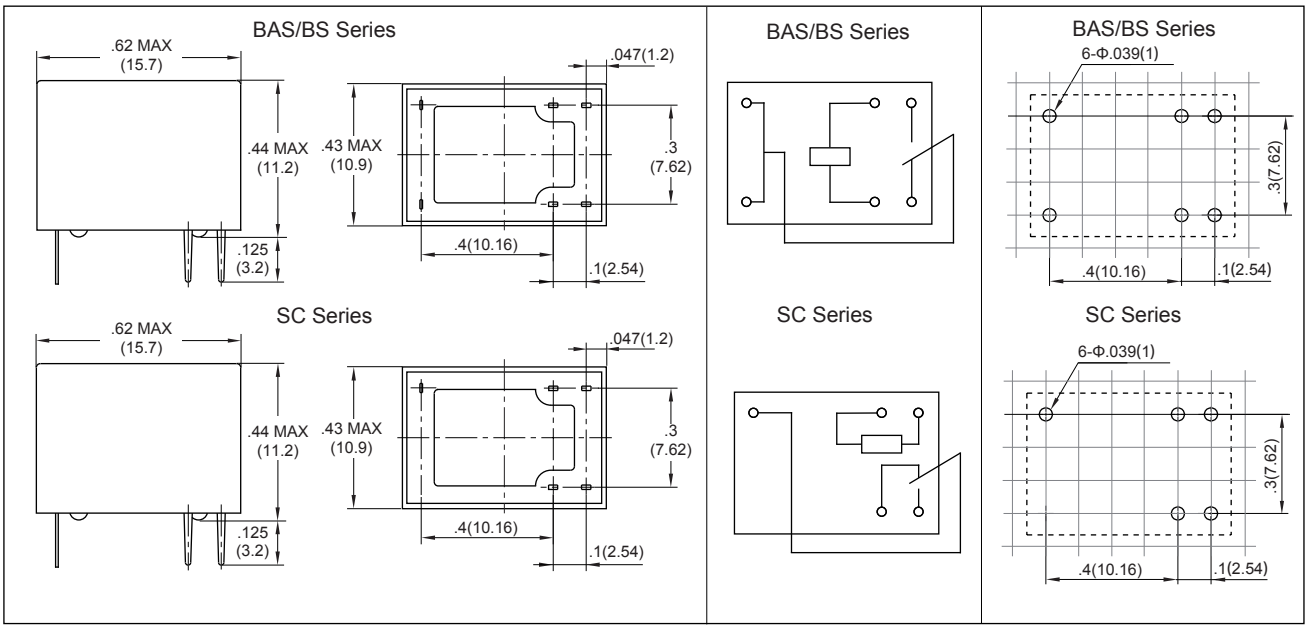
Coil Power	Standard Type: 450mW
	Sensitive Type: 200mW

SAFETY APPROVAL RATINGS

UL&CUL	1A 125VAC/30VDC 1A 240VAC/30VDC 2A 125VAC,3A 120VAC 5A/120VAC

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT. Unit: inch(mm)

Outline Dimensions | Wiring Diagram (Bottom view) | PCB Layout (Bottom view)

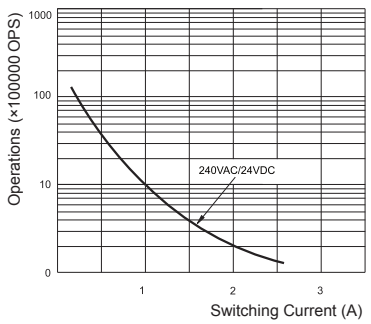


Remark:1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm,tolerance should be ±0.2mm; outline dimension ＞1mm and ≤5mm,tolerance should be ±0.3mm;outline dimension ＞5mm, tolerance should be ±0.4mm.

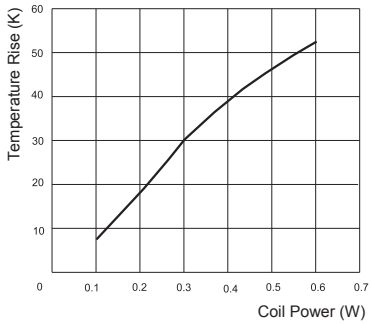
2) The tolerance without indicating for PCB layout is always ±0.1mm.

CHARACTERISTIC CURVES

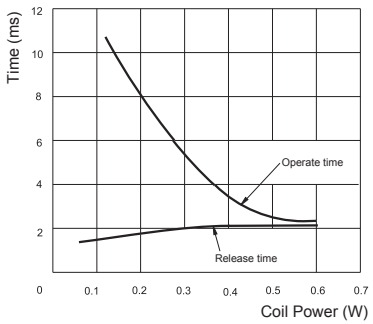
ENDURANCE CURVE



COIL TEMPERATURE RISE



OPERATE TIME



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