



FEATURES

- FCC Pt 68
- Small Package
- Sealed Type
- PC Pin
- Sensitive type and standard type are available

CONTACT RATINGS

Contact Arrangement	1C	
Contact Resistance	100mΩ (1A 24VDC)	
Contact Material	Silver Alloy	
Contact Rating(Resistive)	BAS111, BS211, SC211 NO:2A/125VAC, 2A/30VDC 1A/240VAC NC:1A/240VAC 2A/30VDC	BAS511 NO/NC: 5A/120VAC 5A/30VDC
Max. Switching Voltage	240VAC/60VDC	120VAC/60VDC
Max. Switching Current	2A	5A
Max. Switching Power	250VA/60W	600VA/150W
Mechanical Life	5×10 ⁶ operations	
Electrical Life	1×10 ⁵ operations	

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/s ²
	Destructive	980m/s ²
Vibration resistance		10Hz ~ 55Hz 1.5mm DA
Unit weight		Approx. 4g
Construction		Sealed Type, Dust Cover Type, Flux Free Type

Notes:1) The data shown above are initial values.

2) Please find coil temperature curve in the characteristic curved below.

This datasheet is for customers' reference. All the specifications are subject to change without notice.

ORDERING INFORMATION

Model BAS 111 DC12 GF - 1 - XXXX
 Coil Power:111=Standard type
 511=Standard type heavy load
 Coil Voltage _____
 GF:Gold Flash Contacts NIL:No Gold Flash
 1:Dust Cover Type 2:Flux Free Type Nil:Sealed Type
 Customer code _____

Model BS/SC 211 DC12 GF - 1 - XXXX
 Coil Power:211=Sensitive type
 Coil Voltage _____
 GF:Gold Flash Contacts NIL:No Gold Flash
 1:Dust Cover Type 2:Flux Free Type Nil:Sealed Type
 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



RELAYS

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BAS/BS/SC SERIES

SPDT

1,2,5 Amp

COIL

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

SAFETY APPROVAL RATINGS

UL&CUL	BAS111, BS211, SC211	NO	2A 240VAC/60VDC
		NC	2A/60VDC, 1A/240VAC
	BAS511	NO/NC	5A 120VAC/60VDC

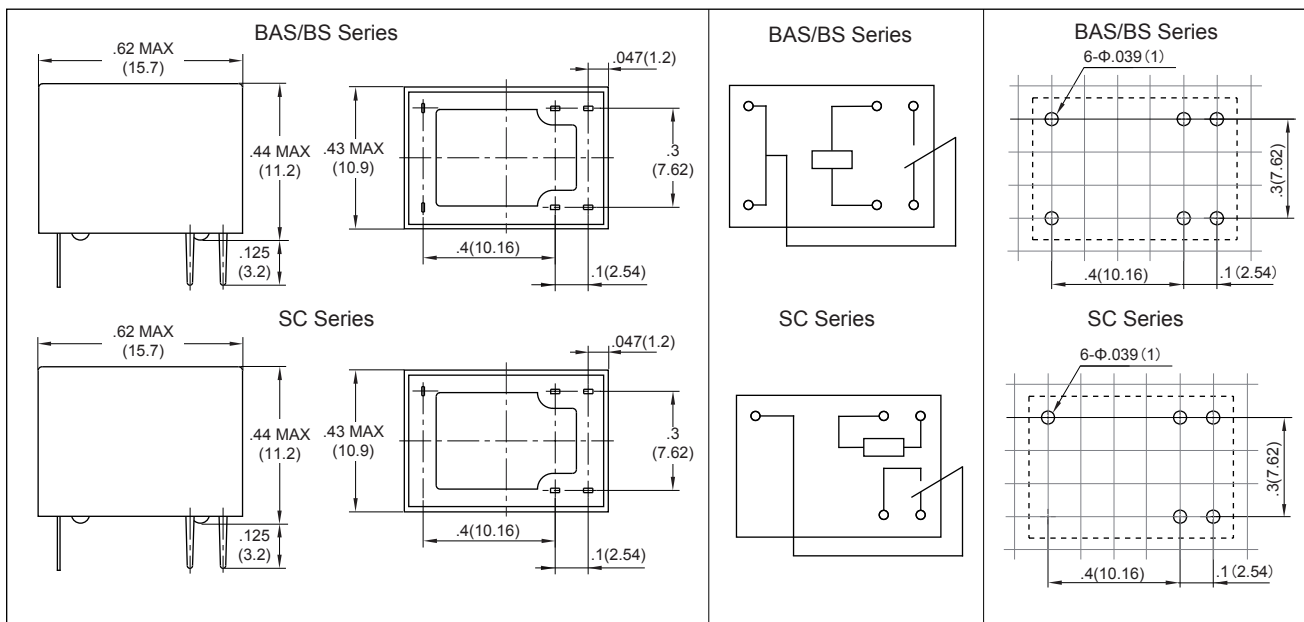
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions

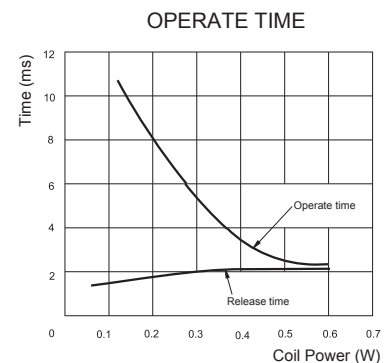
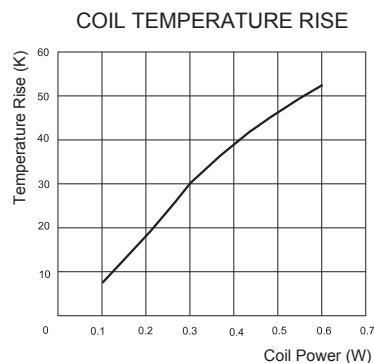
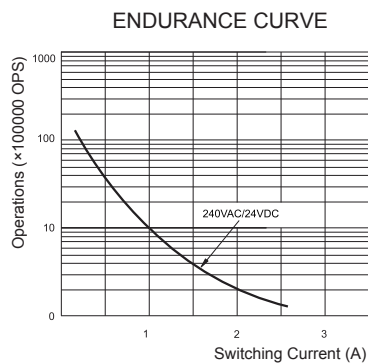
Wiring Diagram (Bottom view)

PCB Layout (Bottom view)



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

CHARACTERISTIC CURVES



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