HAS/HS SERIES

DPDT

2 Amp

RoHS

Complian



FEATURES

- · High sensitive 2 pole relay suitable for signal circuit
- · Adopts twin contacts that are superior in contact reliability
- Completely enclosed type relay with sealed construction being superior in durability to the environment

HAS112/HS212 DC12 - XXX

BABT Certificate NO.609662

CONTACT RATINGS

Contact Arrangement	2C
Contact Resistance	50mΩ (0.1A 6VDC)
Contact Material	AgNi, Gold FLash, Silver Alloy
Contact Rating(Resistive)	0.5A 125VAC,2A 30VDC
Max. Switching Voltage	250VAC/220VDC
Max. Switching Current	2A
Max. Switching Power	125VA/60W
Mechanical Life	1×10 ⁸ operations
Electrical Life	3×10 ⁵ operations (2A 30VDC) 1×10 ⁶ operations (1A 30VDC)

CHARACTERISTICS

Insulation Resistance		100MΩ (at 500VDC)	
Dielectric Strength	Between coil & contacts	1500VAC 1min	
	Between open contacts	1000VAC 1min	
Operate time (at nomi. volt.)		≤5ms	
Release time (at nomi. volt.)		≤3.5ms	
Humidity		Max.85% RH	
Ambient temperature		-40°C ~ +85°C	
Shock	Functional	490m/s ²	
Resistance	Destructive	980m/s ²	
Vibration resistance		10Hz ~ 55Hz 1.5mm DA	
Unit weight		Approx. 4.5g	
Construction		Sealed	

ORDERING INFORMATION

Model: HAS112=Standard type HS212=Sensitive type

Coil Voltage:5, 6, 9, 12, 24, 48VDC-

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%
5	3.5	0.5	7.5	62.5
6	4.2	0.6	9.0	90
9	6.3	0.9	13.5	203
12	8.4	1.2	18.0	360
24	16.8	2.4	36.0	1440
48	33.6	4.8	72.0	5760

Sensitive Type

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance Ω±10%
5	4.0	0.5	11.5	167
6	4.8	0.6	13.8	240
9	7.2	0.9	20.7	400
12	9.6	1.2	27.6	960
24	19.2	2.4	55.2	3840
48	38.4	4.8	110.4	15360

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.





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HAS/HS SERIES DPDT

COIL

Coil Power	Standard Type:400mW Sensitive Type:150mw
Temperature rise	≤65K

SAFETY APPROVAL RATINGS

UL&CUL	0.5A 60VDC
	2A 25VDC
	2A 30VDC
	1A 100VAC
	(Industrial control, business equipment)
	1A 120VAC
	2A 125VAC(Telephone equipment)
	3A 30VDC

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



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



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