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Electromechanical Relays

Hasco Component's electromechanical relays range from less than an amp to 80 amps. Hasco's relays are UL and CSA with some TUV ratings. All relays have DC coils and many have an AC coil. They come sealed for wave soldering and washing thereby allowing the relays to be put on any assemble line. There are surface mount low current relays available as well.

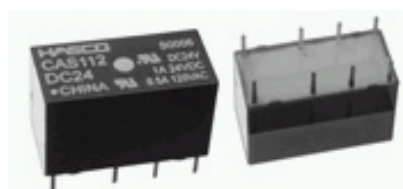
DPDT— DIP PC STANDARD OR SENSITIVE 2.0 AMP BIFURCATED CONTACT RELAY

FEATURES

- Sensitive available.
- Fully sealed.

File E75887

File LR49291



COIL RATINGS FOR STANDARD AS 112

Relay Code (V)	Contact Arrangement	Nom. Volt. (VDC)	Coil Resist. (Ohms +/-10%)	Nom. Curr. (mA)	Pick-Up Volt. (VDC)	Drop-Out Volt. (V)	Max. Volt. (VDC)	Nom. Pwr (W) Cons 'p-tion
CAS-112-5	DPDT (2 Form C)	5	45	111.0	3.8	0.25	7.8	Approx. 0.55
CAS-112-6		6	70	90.9	4.5	0.3	9.7	
CAS-112-9		9	160	85.7	6.75	0.45	13.5	
CAS-112-12		12	280	43.1	9.0	0.6	19.4	
CAS-112-24		24	1070	22.4	18.0	1.2	37.6	
CAS-112-48		48	4300	11.1	36.0	2.4	74.2	

Data Measured at 20°C

COIL RATINGS FOR SENSITIVES 212

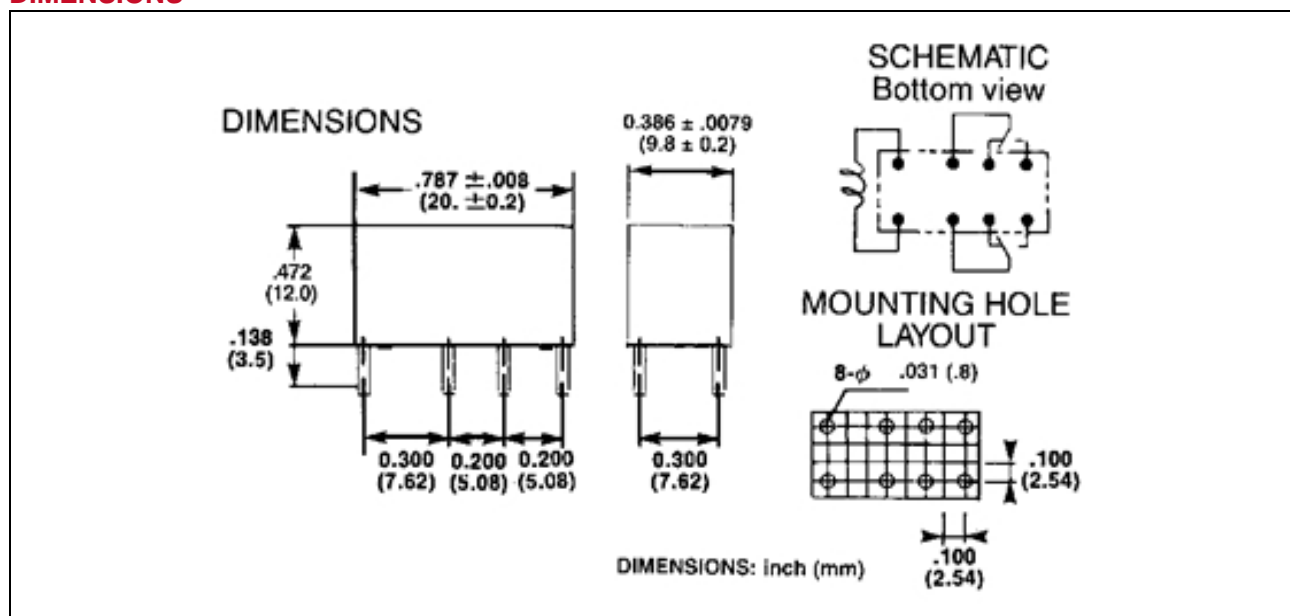
Relay Code (V)	Contact Arrangement	Nom. Volt. (VDC)	Coil Resist. (Ohms +/-10%)	Nom. Curr. (mA)	Pick-Up Volt. (VDC)	Drop-Out Volt. (V)	Max. Volt. (VDC)	Nom. Pwr (W) Cons 'p-tion
CS-212-3	DPDt (2 Form C)	3	69	43.4	2.25	0.24	9.0	0.13
CS-212-5		5	167	29.9	3.8	0.4	15.0	0.15
CS-212-6		6	240	25.0	4.5	0.48	18.0	0.15
CS-212-9		9	540	16.7	6.8	0.72	27.0	0.15
CS-212-12		12	960	12.5	9.0	0.96	35.6	0.15
CS-212-18		18	2160	8.3	13.5	1.44	53.4	0.15
CS-212-24		24	3840	6.3	18.0	1.92	70.1	0.15
CS-212-48		48	7680	6.5	36.0	3.84	76.8	0.30

The tolerance is ±10% for the resistance value, pull-in voltage and drop-out voltage. The values are at ambient temperature, 20°C.

RATING PERFORMANCE

	Specifications	Note	
Contact	Contact Arrangement	DPDT, 2 Form C	
	Contact Material	Gold-clad, Ag-Pd alloy	
	Contact	Max. 100 mOhms	at initial value
	Max. Switching Power	DC 30W AC 50 VA	
	Max. Switching Voltage	125VDC 150VAC	at resistive load
	Max. Switching Current	2A 30VDC 0.6 / 125 VAC 2.5A @ 12V	
Time	Operate Time (Type CS)	Approx. 5 msec.	
	Operate Time (Type CAS)	Approx. 5 msec.	
	Release Time (Type CS)	Approx. 3 msec.	
	Release Time (Type CAS)	Approx. 5 msec.	
	Bounce Time (Operating)	Approx. 0.5 to 1 msec.	
	Bounce Time (Releasing)	Approx. 0.25 to 3 msec.	
Insulation Resistance	100 M Ohms	at 500 VAC, 25°C, 50% relative humidity	
Dielectric Strength	1000VAC Between coil and contacts 1000VAC Between open contacts	CAS, CS	
FCC Surge Strength	1500V Between coil and contacts Between Adjacent contacts	CS	
Vibration Resistance	10g (10 - 55 Hz)		
Temperature	-25°C ~ +75°C -25°C ~ +85°C	CAS, CS	
Life	Mechanical Life	2 x 10 ⁷ times	
	Electrical Life	2 x 10 ⁶ times	at 20mV 1KHz 1mA resistive load
Weight	5 g		

DIMENSIONS



PARTNUMBERS

CAS112DC5	CS212DC6
CAS112DC6	CS212DC9
CAS112DC9	CS212DC12
CAS112DC12	CS212DC24
CAS112DC24	CS212DC48
CAS112DC48	CS212DC48B
CS212DC5	

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