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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.

CAR & CART 80 AMP AUTOMOTIVE RELAY

FEATURES

- High contact rating (80A)
- 1 Form A and 1 Form C arrangements
- Quick connect and P.C. Board terminals
- Mounting Tab optional



COIL RATING

Rate Voltage (VDC)	Coil Resistance Ohms ±10%	Max Coil Voltage	Rated Current (mA)	Must Operate Voltage	Must Dropout Voltage	Power Consumption (W)
6	20	7.8	300	4.2	0.6	1.8W
12	80	15.6	150	8.4	1.2	
24	320	31.2	75	16.8	2.4	

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltages are for test purposes only and are not to be used for design criteria.

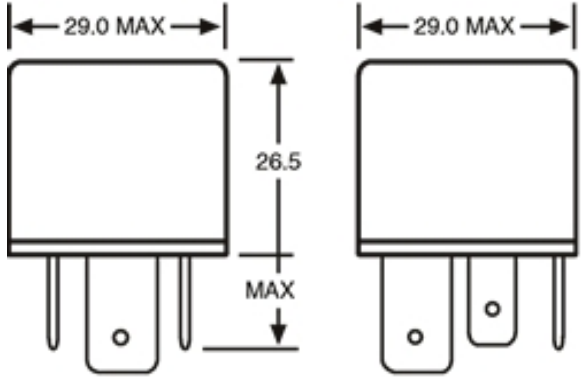
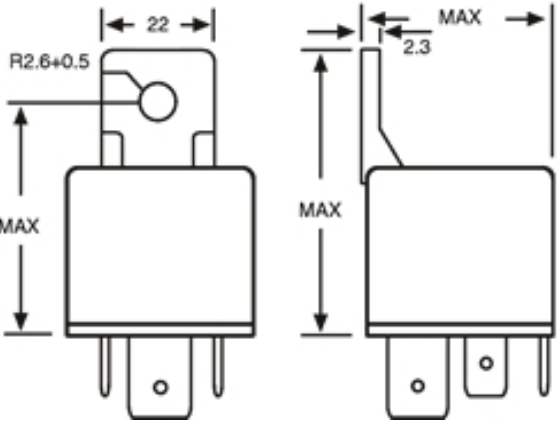
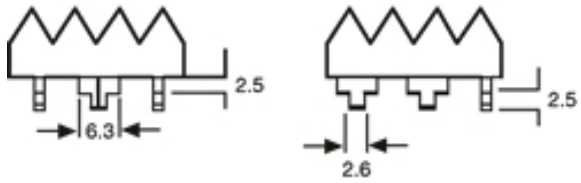
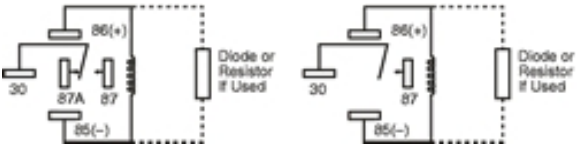
CHARACTERISTICS

Contact Arrangement		SPST (1 Form A), SPST (1 Form B)SPDT (1 Form C)
Contact Material		AgSnO ₂ , AgNi
Contact Resistance		30 mOhms
Contact Rating (resistive load)		50A, 80A 14 VDC (1 Form A); 40A, 60A/ 14 VDC (1 FormB); NO: 50A, 80A 14VDC; NC: 40A, 60A/14VDC (1 Form C)
Max Switching Voltage		75VDC
Max Switching Power		980W
Max Switching Current		80A
Operate Time		7mS Max
Release Time		5 mS Max
Operation Life	Mechanical	1,000,000
	Electrical	100,000 1 Form A@ 80Amp; 15,000 1 Form B & 1 Form C @ 80 Amps,
Insulation Resistance		100MOhms min. (500V DC)
Dielectric Strength		500V/ms between coil and contact
Shock Resistance		20g Approx. 20g
Vibration Resistance		10-40Hz, Amplitude 1.27mm, 1040Hz 1.27mm
Ambient Temperature		-40°C to +85°C
Relative Humidity		85% R.H. (at 40°C)
Weight		46g (CAR); 48g (CART)

ORDERING INFORMATION

CAR	T	1C	P	80	DC12	-S
Series	T = Mounting Tab	1A: 1 Form A	Nil: Quick Connect	1 Form A 80 Amp	6: 6VDC	S: Sealed
	Nil: No Mounting Tab	1C: 1 Form C	P: PC Pin	1 Form C 60 Amp NC	12: 12VDC	NIL: Not sealed
		1B: 1 Form B		80 Amp NO 1 Form A 60 Amp	24: 24VDC	

DIMENSIONS:

Dust Cover 	Shrouded Cover 
P.C. Board Terminals 	Terminal Arrangement 

PART NUMBERS

CAR1A80DC6	CAR1B80DC6	CAR1C80DC6
CAR1A80DC12	CAR1B80DC12	CAR1C80DC12
CAR1A80DC24	CAR1B80DC24	CAR1C80DC24
CART1A80DC6	CART1B80DC6	CART1C80DC6
CART1A80DC12	CART1B80DC12	CART1C80DC12
CART1A80DC24	CART1B80DC24	CART1C80DC24
CAR1AP80DC6	CAR1BP80DC6	CAR1CP80DC6
CAR1AP80DC12	CAR1BP80DC12	CAR1CP80DC12
CAR1AP80DC24	CAR1BP80DC24	CAR1CP80DC24

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Automotive Relays - Relay 80 amps- SPDT Relay 80 Amps- CAR Relay Series- CART Relay Series
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