

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.

KSD205 DPDT 6 AMP

FEATURES

- Miniature Two Pole Relay
- High Reliability
- 6 Amp Switching
- Fully Sealed
- Low Cost



File E75887

COIL RATINGS

Type	Rated Voltage	Coil resistance (Ohms)	Must operate Voltage	Must dropout Voltage	Maximum Voltage	Power consumption (mW)
			% of rated voltage			
	3VDC	167	15	Max		
	5VDC	102	60	70 at 20°C	150 at 20°C	
	6VDC	85.7	70	73 at 30°C	142 at 30°C	
KSD	9VDC	56.3	135	76 at 40°C	10 min. 133 at 40°C	Approx. 510
	12VDC	42.9	240	79 at 50°C	123 at 50°C	
	24VDC	21.2	960	82 at 60°C	113 at 60°C	
	48VDC		3840			

Note: The rated current and coil resistance are measured at a coil temperature at 20°C, coil resistance ± 10% @ 20C.

CONTACT RATINGS

Item Load Type	Resistive load (p.f. = 1)	Inductive Load (p.f. = 0.4, L/R = 7msec)
Material	Ag CdO, Two Type: 5A	
Rated load	120VAC 6A 30VDC 6A	120VAC 3.0A 30VDC 3.0A
Carry current	6A	
Max. operating voltage	250VAC, 125VDC	
Max. operating current	6A	3.0A
Max. switching capacity	600A, 120W	300VA, 60W
Minimum permissible load (reference value)	5VDC, 100mA	

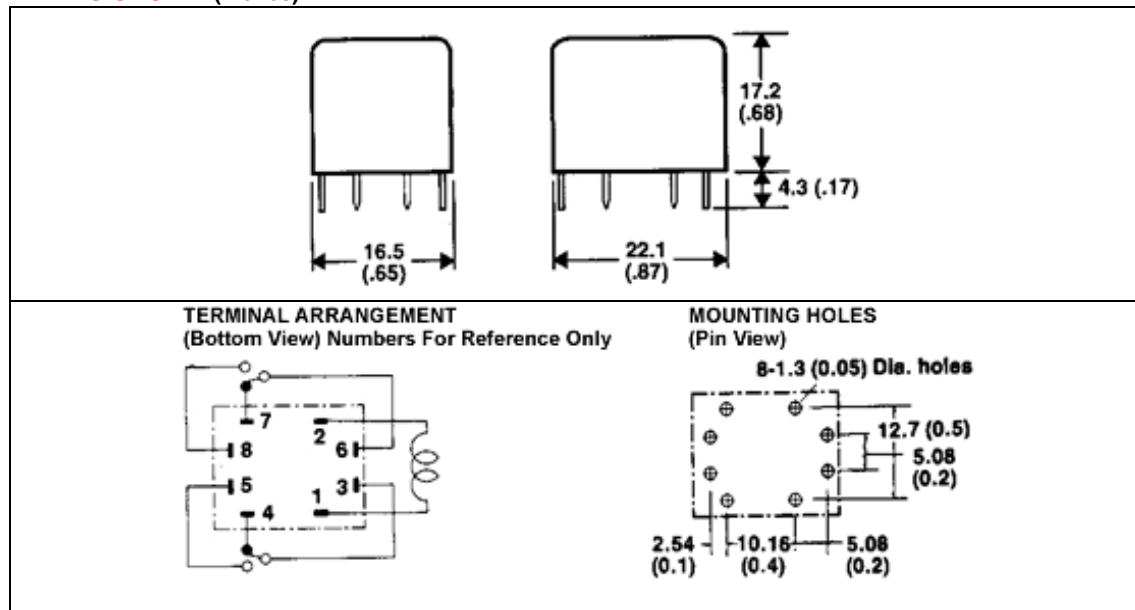
CHARACTERISTICS

Contact resistance	50m Ohms max.
Operate time	10 msec. max.
Release time	5 msec. max.
Operating Frequency	Mechanically: 18,000 operations/hour Electrically: 1,800 operations/hour (under rated load)
Insulation resistance	100M Ohms min. (at 500VDC)
Dielectric strength	1,500 VAC, 50/60 Hz for 1 minute between coil and contact, dissimilar pole 750 VAC, 50/60 Hz for 1 minute between non-continuous contacts of same pole
Vibration	1.5mm double amplitude, 10 to 55 Hz
Shock	100 m/sec ² (approx 10 G's)
Ambient temperature	Operating: - 25 to +60°C
Humidity	45-85% RH
Service life	Mechanically: 10,000,000 operations min.
Weight	Approx. 10g.

ORDERING INFORMATION

KSD205	DC xx
	3 to 24 VDC

DIMENSIONS mm (inches)



PART NUMBERS

KSD205DC3
KSD205DC5
KSD205DC6
KSD205DC9
KSD205DC12
KSD205DC24

[E-mail This Page](#)

[Print Preview](#)

[Home](#) | [About Hasco](#) | [Our Factory](#) | [Reed Relays](#) | [Electromechanical Relays](#) | [Reed Switches/Magnets](#) | [Proximity Reed Switches](#) | [EZ Relay Design Page](#) | [Request Quote](#) | [Hasco Reps](#)
[Hasco Distributors](#) | [Site Map](#)