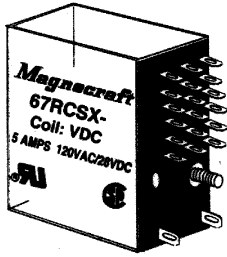


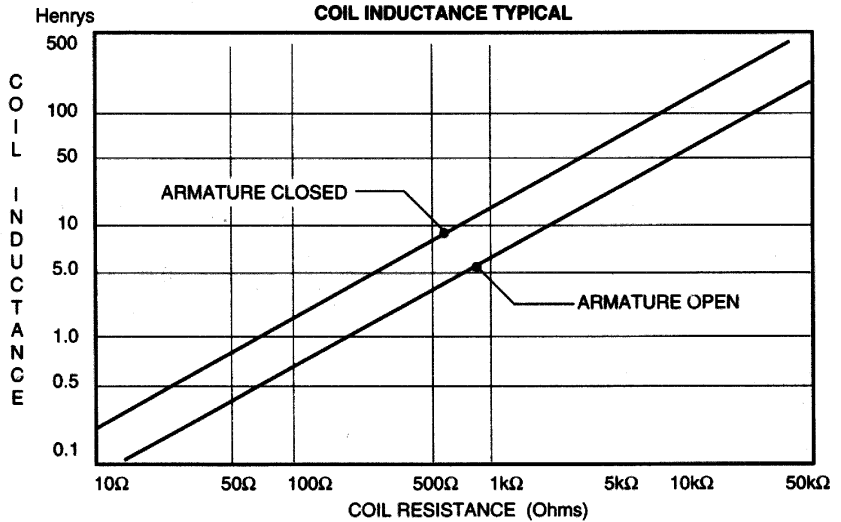
CLASS
67

MINIATURE ENCLOSED INDUSTRIAL RELAY

7
RELAYS



Standard Class 67 miniature industrial relays are designed for applications requiring 1 to 8 form "C" contacts where space and weight are of prime importance. Shatter resistant, see-thru plastic covers are utilized to protect against dust, tampering and electrical shock. The 67TRCSX- models have Bifurcated Contacts and are designed for low level switching applications.



CLASS 67 TYPICAL TIMING VALUES

POLES	SPDT DPDT	4PDT	6PDT	8PDT
OPERATE TIME	.012	.014	.016	.018
RELEASE TIME	.008	.008	.008	.008

Measured at Nominal Voltage @ 25°C

TYPICAL CONTACT LIFE EXPECTANCY FOR SWITCHING RESISTIVE LOADS @ 25°C

Load Current	Load Voltage	Number of Operations		
		Adjustment		
		Super sensitive	Ultra sensitive	Standard adjustment
5.0A	28 VDC	NA	NA	5 X 10 ⁴
5.0A	120VAC	NA	NA	5 X 10 ⁴
2.0A	28VDC/120VAC	6 X 10 ⁵	-	1.5 X 10 ⁶
1.0A	28VDC/120VAC	1.2 X 10 ⁷	5 X 10 ⁵	1.2 X 10 ⁷
0.5A	28VDC/120VAC	-	5 X 10 ⁶	-
0.1A	28VDC/120VAC	5 X 10 ⁷	-	5 X 10 ⁷
0.1A	6 VDC	-	5 X 10 ⁷	-
50mA	6 VDC	5 X 10 ⁷	-	5 X 10 ⁷
30mA	6 VDC	-	-	-
1mA	6 VDC	-	5 X 10 ⁷	-
10A	10mVDC	5 X 10 ⁷	-	5 X 10 ⁷

SPECIFICATIONS CLASS 67

COIL

Pickup voltage: 80% of nominal voltage or less.
 Dropout voltage: 10% of nominal or more.
 Coil resistance: ± 10% measured @ 25°C
 Maximum coil dissipation: 2.2 watts
 Coil Temperature rise: 30°C per watt
 Maximum coil temperature: 105°C

DIELECTRIC STRENGTH

Contact to coil: 1500 V rms
 Across open contacts: 500 V rms
 Coil to frame: 1000 V rms
 Contacts to frame: 1500 V rms
 Insulation resistance: 1000 megohms @ 25°C & 50% R.H.

CONTACTS

Contact material: Silver, Gold overlay
 Contact resistance: 50 milliohms max. initial

TEMPERATURE

Operating: -55°C to + 70°C
 Storage: -55°C to +105°C

CAPACITANCE

Between contacts: 2 pf, typ.
 Contact to coil: 2 pf, typ.
 Coil to frame: 30 pf, typ.

MISCELLANEOUS

Solder-bath temperature: +525°F (260°C) 10 seconds max.
 Enclosure Material: Polycarbonate see thru plastic cover.
 Weight: 0.8 to 1.4 oz. (22 to 40 grams)

OPTIONS:

Other options such as other coil voltages, sensitivities, contact arrangements and epoxy sealing are available on special order.