

UL CONTACT LOAD RATINGS TABLE

LOAD	LOAD VOLTAGE	DPDT FIGURE " A "	SPDT FIGURE " B "	SPDT FIGURE " C "
RESISTIVE	250 VAC	5 AMP	20 AMP (120 VAC)	12 AMP
	30 VDC	5 AMP	20AMP	12 AMP
	250 VAC	7 AMP (N.O.)	16 AMP (UL - TUV.)	10 AMP(TUV)
	30 VDC	7 AMP (N.O.)	16 AMP (UL - TUV.)	10 AMP(TUV)
INDUCTIVE	250 VAC	*2 AMP	*8 AMP	*5 AMP
	30 VDC	†2 AMP	†8 AMP	†5 AMP
TV		DPST - N.O.	SPST - N.O.	SPDT - N.O.
		TV - 3	TV - 8	TV - 5

* COSØ = 0.4 (TUV)

† L/R = 7mS (TUV)

SPDT & DPDT 5, 12 & 20 AMPS

UL us
UL Recognized
File No. E191122



TUV

**MANUFACTURED UNDER
ISO 9002 & QS 9000**

- * **UL CLASS "F" COIL INSULATION SYSTEM AVAILABLE.**
- * **AC COIL VOLTAGES.**
- * **UL RATED TV-3, TV-5 OR TV-8, N. O. ONLY.**
- * **CONTACTS RATED UP TO 20 AMP.**
- * **8 MILLIMETERS MINIMUM. CLEARANCE. COIL TO CONTACTS.**
- * **DIELECTRIC STRENGTH: 5,000 V rms.**



GENERAL SPECIFICATIONS

COIL

Pull-in Voltage: 85% of nominal voltage or less for AC
75% of nominal voltage or less for DC

Dropout Voltage: 30% min. of nominal voltage or more for AC
10% min. of nominal voltage or more for DC

Max. Voltage: 110%

Resistance: ±10% measured @ 25°C

Coil Power: AC 1.2 VA, DC 0.54 watts
@ nominal voltage

Insulation System: Class "B" (130°C per UL standart 1446)
Class "F" available

Max. Coil Dissipation: 1.5 VA (60Hz) @ 25°C

Duty: Continuous

CONTACTS

Contact Material: Silver cadmium oxide

Contact Rating: See:
"UL CONTACT LOAD RATINGS TABLE"

Contact Resistance: 100 milliohms min

TIMING

Operate Time: 15 mS max. @ nominal voltage

Release Time: 10 mS max. @ nominal voltage

DIELECTRIC STRENGTH

Contacts to Coil: 5000 V rms; (8 mm creepage & clearance)

Across Open Contacts: 1000 V rms

Pole to Pole: 2500 V rms

Insulation Resistance: 100 megohms 500 VDC

TEMPERATURE

Operating: -20°C to +55°C

Storage: -40°C to +80°C

VIBRATION RESISTANCE

Functional: 10 to 55 Hz dual amplitude 1.5 mm

SHOCK RESISTANCE

Functional: 10 g's (11mS)

Mechanical: 100 g's (6mS)

LIFE EXPECTANCY

Electrical: 100,000 operations
@ rated resistive load

Mechanical: 10,000,000 operations @ no load

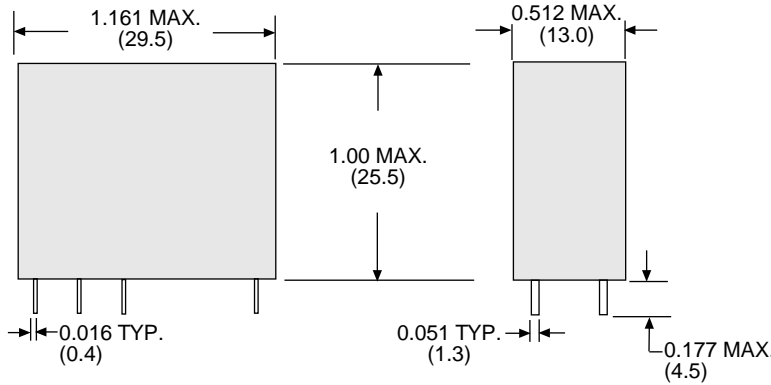
MISCELLANEOUS

Operating Position: Any

Enclosure: Plastic, epoxy sealed, suitable for automatic circuit board processing. After cleaning process, pierce a small hole in cover for venting

Weight: 17 grams approx.

OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



PRINTED CIRCUIT MOUNTING HOLE LAYOUT
(BOTTOM VIEW)

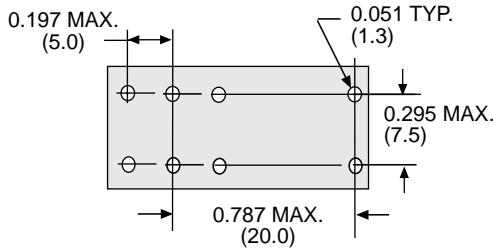


FIG. "A"

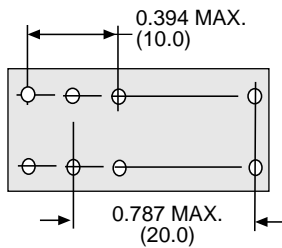


FIG. "B"

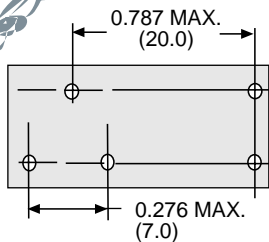
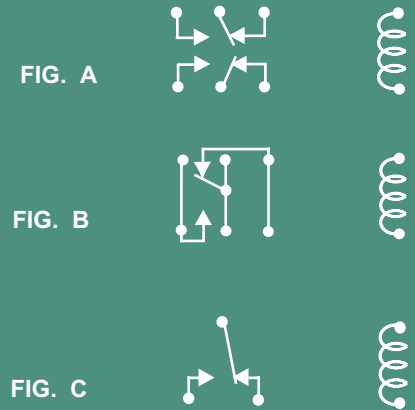


FIG. "C"



WIRING DIAGRAMS
(VIEWED FROM PIN END)



COIL MEASURED @ 25 °C

STANDARD PART NUMBERS	CONTACT CONFIGURATION	NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS & VA)
DC OPERATED COIL, FIG. A			
976XBXH-5D / 76EURPCPX-61	DPDT	5 VDC	47 Ω
976XBXH-6D / 76EURPCPX-62	DPDT	6 VDC	68 Ω
976XBXH-12D / 76EURPCPX-63	DPDT	12 VDC	270 Ω
976XBXH-24D / 76EURPCPX-64	DPDT	24 VDC	1100 Ω
DC OPERATED COIL, FIG. B			
976XAX97H-5D / 76EURPCPX-146	SPDT	5 VDC	47 Ω
976XAX97H-6D / 76EURPCPX-147	SPDT	6 VDC	68 Ω
976XAX97H-12D / 76EURPCPX-148	SPDT	12 VDC	270 Ω
976XAX97H-24D / 76EURPCPX-149	SPDT	24 VDC	1100 Ω
DC OPERATED COIL, FIG. C			
976XAXH-5D / 76EURPCPX-14	SPDT	5 VDC	68 Ω
976XAXH-6D / 76EURPCPX-15	SPDT	6 VDC	270 Ω
976XAXH-12D / 76EURPCPX-16	SPDT	12 VDC	1100 Ω
976XAXH-24D / 76EURPCPX-17	SPDT	24 VDC	4400 Ω
AC OPERATED COIL, FIG. A			
976XBXH-24A	DPDT	24 VAC	250 Ω
976XBXH-120A	DPDT	120 VAC	5,600 Ω
976XBXH-240A	DPDT	240 VAC	22000 Ω
AC OPERATED COIL, FIG. B			
976XAX97H-24A	SPDT	24 VAC	250 Ω
976XAX97H-120A	SPDT	120 VAC	5,600 Ω
976XAX97H-240A	SPDT	240 VAC	22000 Ω
AC OPERATED COIL, FIG. C			
976XAXH-24A	SPDT	24 VAC	250 Ω
976XAXH-120A	SPDT	120 VAC	5,600 Ω
976XAXH-240A	SPDT	240 VAC	22000 Ω

OTHER COIL VOLTAGES ARE AVAILABLE ON SPECIAL ORDER.
CONTACT FACTORY FOR SPECIAL REQUIREMENTS.

