

## 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)

**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 (@ 25°C)

	UNITS	
<b>COIL</b>		
Pull-in Voltage AC (50/60 Hz):	% of nominal	85
Pull-in Voltage DC:	% of nominal	75
Dropout Voltage AC (50/60 Hz):	% of nominal	30
Dropout Voltage DC:	% of nominal	110
Maximum Voltage:	% of nominal	120
Resistance:	% ±	10
Coil Power AC (60 Hz):	VA	1.2
Coil Power DC:	W	5.4
Duty:		Continuous
<b>CONTACTS</b>		
Contact Material:		Silver alloy
Contact Rating AC Amperes (AC1):	A	See table
Contact Rating AC Voltage:	V	See table
Contact Rating DC Amperes (DC1):	A	See table
Contact Rating DC Voltage:	V	See table
Horse Power (AC):	Hp	10
Pilot Duty (60 Hz):		7
<b>TIMING</b>		
Operate Time:	ms	15
Release Time:	ms	10
<b>DIELECTRIC STRENGTH</b>		
Coil to Contacts:	V rms	5000
Across Open Contacts:	V rms	1000
Pole to Pole:	V rms	2500
Contacts to Frame:	V rms	Not applicable
Insulation Resistance:	megohms minimum @VDC	1000 @ 500

	UNITS	
<b>VIBRATION RESISTANCE</b>		
Functional:	g's	1.65 DA 10-55Hz
<b>SHOCK RESISTANCE</b>		
Functional:	g's	10
<b>TEMPERATURE</b>		
Operating, AC Lower:	°C	-20
Operating, AC Upper:	°C	+55
Operating, DC Lower:	°C	-40
Operating, DC Upper:	°C	+80
Storage, Lower:	°C	-40
Storage, Upper:	°C	+80
<b>LIFE EXPECTANCY</b>		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	50,000
<b>MISCELLANEOUS</b>		
Operating Position:		Any
Enclosure Material:		Plastic, epoxy sealed, suitable for automatic circuit board processing. After cleaning process, pierce a small hole in cover for venting
Cover Protection Category:	IP	67
Weight:	grams	17

# 976 PRINTED CIRCUIT BOARD SLIM - LINE RELAY



## SPDT & DPDT 5, 12 & 20 AMPS

### WIRING DIAGRAM (TOP VIEWED)



FIG. "A"

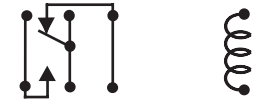
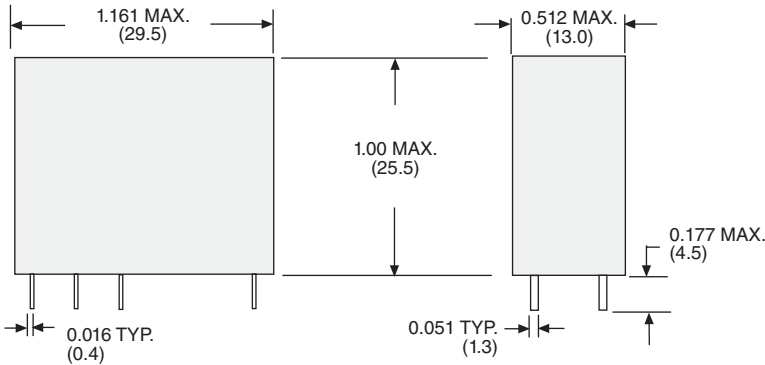


FIG. "B"



FIG. "C"

### OUTLINE DIMENSIONS DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



### PRINTED CIRCUIT MOUNTING HOLE LAYOUT (BOTTOM VIEW)

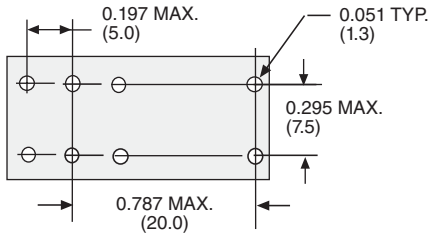


FIG. "A"

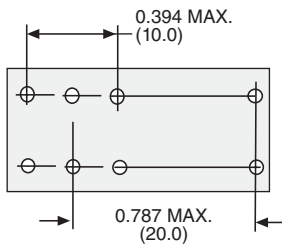


FIG. "B"

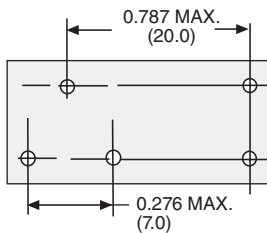


FIG. "C"



STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25 °C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
<b>DC OPERATED COIL, FIG. "A", 5 AMP</b>			
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
<b>DC OPERATED COIL, FIG. "B", 20 AMP</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
<b>DC OPERATED COIL, FIG. "C", 12 AMP</b>			
976XAXH-5D / 76EURPCPX-14	SPDT	5 VDC	47 Ω
976XAXH-6D / 76EURPCPX-15	SPDT	6 VDC	68 Ω
976XAXH-12D / 76EURPCPX-16	SPDT	12 VDC	270 Ω
976XAXH-24D / 76EURPCPX-17	SPDT	24 VDC	1100 Ω
<b>AC OPERATED COIL, FIG. "A", 5 AMP</b>			
976XBXH-24A	DPDT	24 VAC	250 Ω
976XBXH-120A	DPDT	120 VAC	5,600 Ω
976XBXH-240A	DPDT	240 VAC	22000 Ω
<b>AC OPERATED COIL, FIG. "B", 20 AMP</b>			
976XAX97H-24A	SPDT	24 VAC	250 Ω
976XAX97H-120A	SPDT	120 VAC	5,600 Ω
976XAX97H-240A	SPDT	240 VAC	22000 Ω
<b>AC OPERATED COIL, FIG. "C", 12 AMP</b>			
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.