

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	
COIL		
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
CONTACTS		
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
TIMING		
Operate Time:	ms	15
Release Time:	ms	10
DIELECTRIC STRENGTH		
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	
VIBRATION RESISTANCE		
Functional:	g's	1.65 DA 10-55Hz
SHOCK RESISTANCE		
Functional:	g's	10
TEMPERATURE		
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
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	50,000
MISCELLANEOUS		
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"

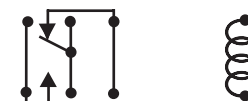
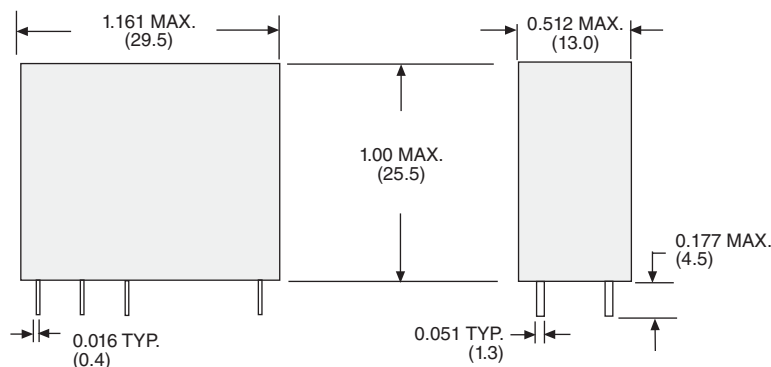


FIG. "B"



FIG. "C"

OUTLINE DIMENSIONS DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



PRINTED CIRCUIT MOUNTING HOLE LAYOUT (BOTTOM VIEW)

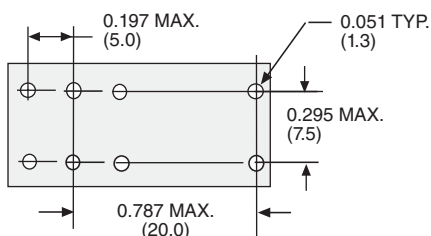


FIG. "A"

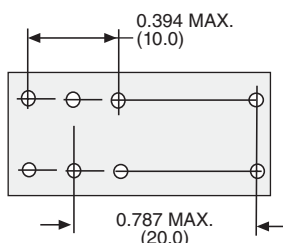


FIG. "B"

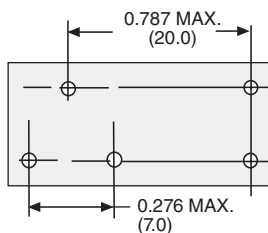


FIG. "C"



STANDARD PART NUMBERS	CONTACT CONFIGU- RATION	COIL MEASURED @ 25 °C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
DC OPERATED COIL, FIG. "A", 5 AMP			
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", 20 AMP			
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", 12 AMP			
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
AC OPERATED COIL, FIG. "A", 5 AMP			
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", 20 AMP			
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", 12 AMP			
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.