

67 MINIATURE ENCLOSED INDUSTRIAL RELAY

UL CONTACT LOAD RATINGS TABLE

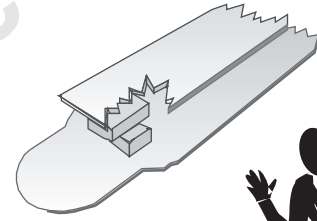
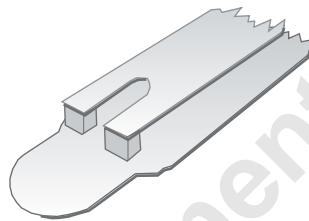


CONTACT CONFIGURATION	CURRENT OR HORSE POWER	LOAD VOLTAGE	LOAD VOLTAGE FREQUENCY	TYPE OF LOAD
1 POLE THRU 6 POLES	5 AMP	120 VAC	50/60 Hz	RESISTIVE
	5 AMP	28 VDC	DC	RESISTIVE
	3 AMP	120 VAC	50/60 Hz	RESISTIVE
	3 AMP	28 VDC	DC	RESISTIVE

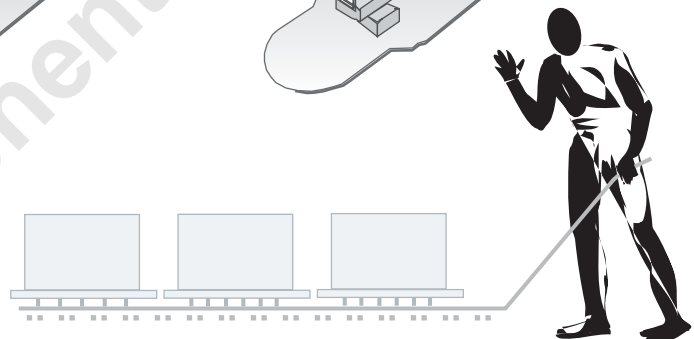


**BIFURCATED CONTACTS
(LOW LEVEL APPLICATIONS)**

**STANDARD CONTACTS
(5 AMP CROSS BAR)**



STANDARD CLASS 67 MINIATURE INDUSTRIAL RELAYS ARE DESIGNED FOR APPLICATIONS REQUIRING DPDT TO 6PDT 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 67T MODELS HAVE BIFURCATED CONTACTS AND ARE DESIGNED FOR LOW LEVEL SWITCHING APPLICATIONS.



GENERAL SPECIFICATIONS (@ 25°C)

	UNITS	
COIL		
Pull-in Voltage AC (50/60 Hz):	% of nominal	80
Pull-in Voltage DC:	% of nominal	75
Dropout Voltage AC (50/60 Hz):	% of nominal	10
Dropout Voltage DC:	% of nominal	10
Maximum Voltage:	% of nominal	120
Resistance:	% ±	10
Coil Power AC (60 Hz):	VA	2.75
Coil Power DC:	W	0.45
Insulation System Per UL Standard 1446:		Class B (130 °C)
Duty:		Continuous
CONTACTS		
Contact Material:		Silver alloy
Contact Rating AC Amperes (AC1):		5/3
Contact Rating AC Voltage:	A	120 / 120
Contact Rating DC Amperes (DC1):	V	5/3
Contact Rating DC Voltage:	A	28 / 28
Minimum Recommended Load:	V	100 @ 5 VDC
	ma	or 0.5 W
TIMING		
Operate Time:	ms	25
Release Time:	ms	20

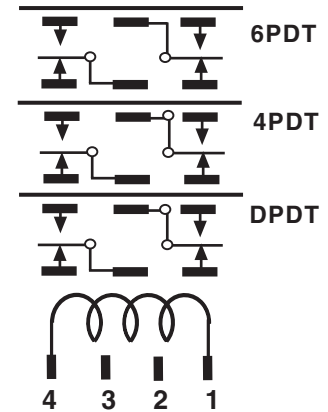
	UNITS	
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	1500
Across Open Contacts:	V rms	1000
Pole to Pole:	V rms	1000
Contacts to Frame:	V rms	1000
Insulation Resistance:	megohms minimum @VDC	1000 @ 500
VIBRATION RESISTANCE		
Functional:	g's	10
SHOCK RESISTANCE		
Functional:	g's	20
TEMPERATURE		
Operating, AC Lower:	°C	-40
Operating, AC Upper:	°C	+60
Operating, DC Lower:	°C	-40
Operating, DC Upper:	°C	+60
Storage, Lower:	°C	-40
Storage, Upper:	°C	+130
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	10,000,000
MISCELLANEOUS		
Operating Position:		Any
Insulation Material:	94V-0	Molded plastic
Enclosure Material:	94V-0	Polycarbonate
Cover Protection Category:	IP	40
Terminals:	Inch (mm)	0.10, 0.04 x 0.01 (2.54, 1.01 x 0.25)
Weight:	grams	22 to 40

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DPDT THRU 6PDT 3 & 5 AMPS

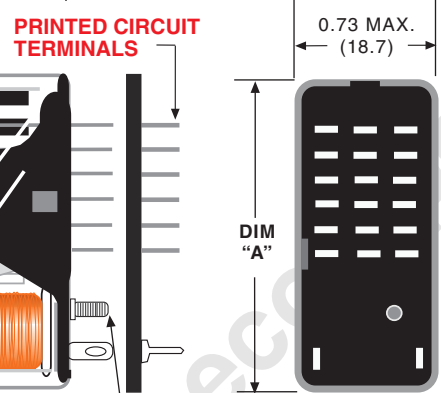
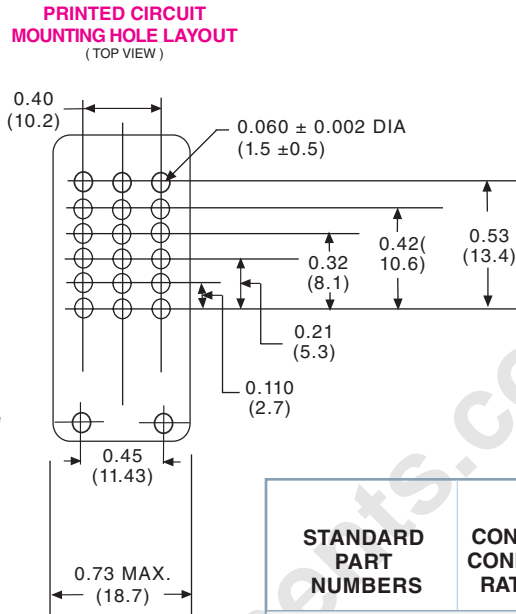
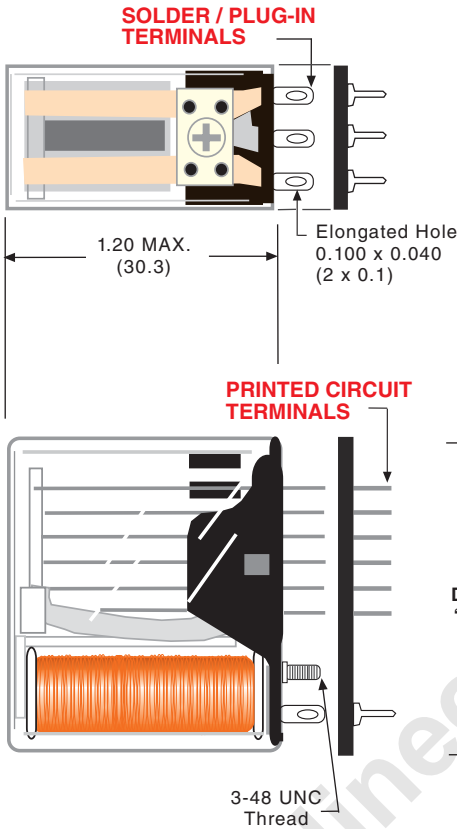
WIRING DIAGRAM



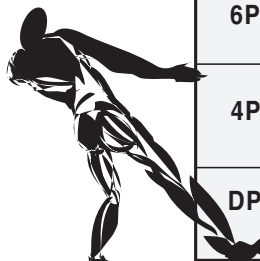
Mating Sockets

70-303-1, 70-305-1, 70-307-1: **SOLDER**
70-304-1, 70-306-1, 70-308-1: **PRINTED CIRCUIT**
See section 7

OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



DIMENSIONS



CONTACT CONFIGU	"A"
6PDT	1.374 (34.9)
4PDT	1.156 (29.4)
DPDT	0.978 (24.8)

STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25 °C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
DC OPERATED COIL - SOLDER/PLUG-IN, 5 AMP			
W67RCSX-1	DPDT	5 VDC	52 Ω
W67RCSX-2	DPDT	12 VDC	185 Ω
W67RCSX-3	DPDT	24 VDC	700 Ω
W67RCSX-4	DPDT	48 VDC	2,500 Ω
W67RCSX-5	DPDT	110/125 VDC	15,000 Ω
W67RCSX-6	4PDT	5 VDC	52 Ω
W67RCSX-7	4PDT	12 VDC	185 Ω
W67RCSX-8	4PDT	24 VDC	700 Ω
W67RCSX-9	4PDT	48 VDC	2,500 Ω
W67RCSX-10	4PDT	110/125 VDC	15,000 Ω
W67RCSX-12	6PDT	12 VDC	90 Ω
W67RCSX-13	6PDT	24 VDC	430 Ω
DC OPERATED COIL-BIFURCATED CONTACTS, 3 AMP			
W67TRCSX-2	DPDT	12 VDC	185 Ω
W67TRCSX-3	DPDT	24 VDC	700 Ω
W67TRCSX-7	4PDT	12 VDC	185 Ω
W67TRCSX-8	4PDT	24 VDC	700 Ω
W67TRCSX-12	6PDT	12 VDC	90 Ω
W67TRCSX-13	6PDT	24 VDC	430 Ω
DC OPERATED PRINTED CIRCUIT, 5 AMP			
W67RPCX-2	DPDT	12 VDC	185 Ω
W67RPCX-3	DPDT	24 VDC	700 Ω
W67RPCX-7	4PDT	12 VDC	185 Ω
W67RPCX-8	4PDT	24 VDC	700 Ω
W67RPCX-12	6PDT	12 VDC	90 Ω
W67RPCX-13	6PDT	24 VDC	430 Ω
AC OPERATED COIL - SOLDER/PLUG-IN, 5 AMP			
W67ARCSX-5	DPDT	110/120 VAC, 50/60Hz	9000 Ω
W67ARCSX-10	4PDT	110/120 VAC, 50/60Hz	8000 Ω
W67ARCSX-15	6PDT	110/120 VAC, 50/60Hz	8000 Ω
DC OPERATED COIL ULTRA SENSITIVE - SOLDER/PLUG-IN, 3 AMP			
W67SCSX-1	DPDT	9.4 MADC	1,000 Ω
W67SCSX-2	DPDT	6.4 MADC	2,500 Ω
W67SCSX-3	DPDT	4.5 MADC	5,000 Ω
W67SCSX-6	4PDT	13.7 MADC	1,000 Ω
W67SCSX-7	4PDT	9.1 MADC	2,500 Ω
W67SCSX-8	4PDT	6.5 MADC	5,000 Ω

RETROFITS POTTER & BRUMFIELD R10.
SEE END OF SECTION 1 FOR CROSS REFERENCE