SOCKET COMPATIBLE & FLANGE MOUNT RELAYS

219

750H



PRODUCT			MANUFACTURED UNDER ISO 9002 QS 9000	
L XW X H (INCHES	5)	1.20 x 0.735 x 0.978 to 1.592	2.59 x1.468 x 2.625 / 3.062	1.281 x 0.910 x 1.156
FEATURES		◆ 0.100 SOLDER PLUG-IN OR PRINTED CIRCUIT TERMINALS ◆ UP TO 6 POLES SWITCHING PLUG-IN STYLES HAVE 3-48 UNC ◆ GROUND STUDS . OPTIONAL L 3 AMP BIFURCATED CONTACTS FOR LOW LEVEL	 12 OR 14 PIN WITH LOCKING CLIP WIDE RANGE OF CONTACT CONFIGURATIONS TO 6PST WIDE CHOICE OF OPTIONS OPTIONAL 5 AMP BIFURCATED CONTACTS FOR LOW LEVEL UL LISTED WHEN USED WITH 27390D OR 33377D SOCKET NUCLEAR QUALIFIED VERSIONS AVAILABLE 	 ♦ 8 & 11 PIN OCTAL BASE ♦ HERMETICALLY SEALED DRY NITROGEN FILLED ♦ GRAY LACQUER FINISH OVER STEEL ENCLOSURE ♦ MEETS UL STANDARD FOR CLASS 1 DIVISION 2 HAZARDOUS LOCATIONS ♦ UL LISTED WHEN USED WITH 70-464-1 OR 70-465-1 SOCKETS
COIL	UNITS			
Standard Voltage AC:	50/60 Hz	110 /120	6, 12, 24, 110 / 120, 220 / 240	12, 24. 110 / 120
DC:		5, 12, 24, 48, 110 / 125	6, 12, 24, 48, 110 / 125	12, 24, 110 / 125
Coil Power AC (60 Hz):	VA	2.75	1.2	2.0
Coil Power DC:	W	0.45	0.9	1.2
Insulation System Per UL Standard 1446:		Class B (130°C)	Class B (130°C)	Class B (130°C)
CONTACTS				
Contact Configuration:		DPST to 6PDT	to 6PDT	DPDT, 3PDT
Contact Material:		Silver alloy, gold plated	Silver alloy, gold diffused	Silver alloy, gold flashed
Contact Resistance (Initial):	m Ohms	50	75	100
Contact Rating AC Amperes (AC1):	А	5/3	10 / 5	2 Pole-12, 3 Pole-10
Contact Rating AC Voltage:	V	120 / 120	120 / 120	120 / 240
Contact Rating DC Amperes (DC1):	A	5/3	10/5	10
Contact Rating DC Voltage:	V	28 / 28	28 / 28	30
Horse Power (AC):	Hp	-	See Table	1/3 @ 120 V
Horse Power (AC):	Нр	-	See Table	1/2 @ 240 V
TIMING				
Operate Time:	m 0	25	25	10
Release Time:	ms	20	20	30
Release Time.	ms	20	20	30
DIELECTRIC STRENGTH				
Coil to Contacts:	V rms	1500	1500	1250
Insulation Resistance:	megohms minimum@VDC	1000 @ 500	1000 @ 500	1000 @ 500
TEMPERATURE				
Operating, AC Lower:	°C	-40	-40	-45
Operating, AC Upper:	°C	+60	+80	+55
Operating, AC Opper:	°C	-40	-40	-45
Operating, DC Upper:	°C	+60	+80	+70
Storage, Lower:	°C	-40	-40	-45
Storage, Upper:	°C	+130	+130	+105
LIFE EXPECTANCY				
Electrical @ Rated Load (AC1):	operations	100,000	100,000	100,000
Mechanical @ no Load :	operations	10,000,000	10,000,000	5,000,000
	οροιαποτίο	10,000,000	10,000,000	3,000,000
MISCELLANEOUS	15	4-5		
Cover Protection Category:	IP	40	40	67
Weight:	grams	22 to 40	241	130
MATING SOCKETS SEE SECTION 7		70-303-1, 70-305-1, 70-307-1 70-304-1, 70-306-1, 70-308-1	27390D, 33377D	70-464-1, 70-465-1 70-750D8-1, 70-750D11-1

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AGENCY APPROVALS

PAGE NUMBER

10 led from Elcodis.com electronic components distributor



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67 MINIATURE ENCLOSED INDUSTRIAL RELAY

UL CONTACT LOAD RATINGS TABLE

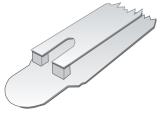


CONTACT CONFIGURATION	CURRENT OR HORSE POWER	LOAD VOLTAGE	LOAD VOLTAGE FREQUENCY	TYPE OF LOAD
4 001 5	5 AMP	120 VAC	50/60 Hz	RESISTIVE
1 POLE	5 AMP	28 VDC	DC	RESISTIVE
THRU	3 AMP	120 VAC	50/60 Hz	RESISTIVE
6 POLES	3 AMP	28 VDC	DC	RESISTIVE



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.



<u> </u>		(3 = 3 = 7
	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:	Α	120 / 120
Contact Rating DC Amperes (DC1):	V	5/3
Contact Rating DC Voltage:	Α	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	

67 MINIATURE ENCLOSED INDUSTRIAL RELAY



DPDT THRU 6PDT 3 & 5 AMPS

0.53

(13.4)

0.42(

10.6)

0.060 ± 0.002 DIA

0.32

(8.1)

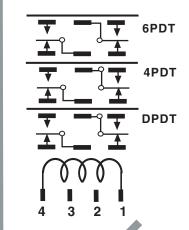
0.21 (5.3)

0.110

(2.7)

 (1.5 ± 0.5)

WIRING DIAGRAM



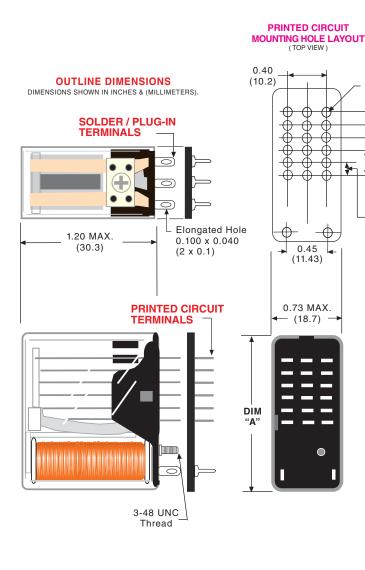
Mating Sockets

70-303-1, 70-305-1, 70-307-1: SOLDER 70-304-1, 70-306-1, 70-308-1: PRINTED CIRCUIT

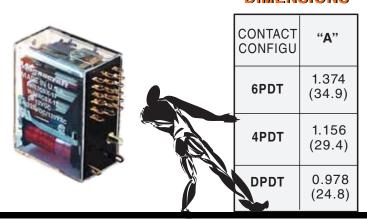
COIL MEASURED @ 25 °C

See section 7

		COIL MEASURED @ 25 °C			
STANDARD PART NUMBERS	CONTACT CONFIGU- RATION	NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)		
DC OPERATED C	OIL - SOLDE	R/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	185Ω		
W67RCSX-8	4PDT	24 VDC	700 Ω		
W67RCSX-9	4PDT	48 VDC	2,500Ω		
W67RCSX-10	4PDT	110/125 VDC	15,000 Ω		
W67RCSX-12	6PDT	12 VDC	90Ω		
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 P		,			
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		
W67ARCSX-5		R/PLUG-IN, 5 AMP	2000		
W67ARCSX-10	DPDT	110/120 VAC, 50/60Hz	9000 Ω		
W67ARCSX-10	4PDT	110/120 VAC, 50/60Hz	Ω 0008		
	6PDT	110/120 VAC, 50/60Hz ENSITIVE -SOLDER/PL	8000 Ω		
W67SCSX-1	DPDT	9.4 MADC			
W67SCSX-1	DPDT	9.4 MADC	1,000 Ω 2,500 Ω		
W67SCSX-2	DPDT	4.5 MADC	2,500 Ω		
W67SCSX-6	4PDT	13.7 MADC	1.000 Ω		
W67SCSX-0	4PDT	9.1 MADC	2.500 Ω		
1107303X-7	4FD1	9.1 WADC	2,500 12		



DIMENSIONS



4PDT

6.5 MADC

W67SCSX-8

 5.000Ω