

# SECTION

# 1



## SOCKET COMPATIBLE AND FLANGE MOUNTED RELAYS

*1 TO 30 AMPERES*



781

782

782H

783

784

750

788

283

388J/V

389/389F

300

9A/92

21

67

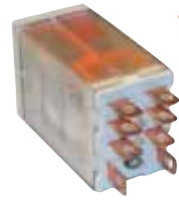
219

750H



**781**

MANUFACTURED UNDER  
ISO 9002 QS 9000



**782XAX**

MANUFACTURED UNDER  
ISO 9002 QS 9000

**PRODUCT**

L X W X H (INCHES)

1.60 x 0.55 x 1.10

1.54 x 0.83 x 1.10

**FEATURES**

- ✦ 0.187 QUICK CONNECT/SOLDER PLUG-IN OR PRINTED CIRCUIT TERMINALS
  - ✦ FLAG INDICATOR
  - ✦ L.E.D. STATUS LAMP
  - ✦ PUSH BUTTON
  - ✦ FINGER GRIP COVER
  - ✦ I.D. TAG/WRITE LABEL
- ✦ OPTIONAL FLANGE AND DIN ADAPTERS
  - ✦ UL LISTED WHEN USED WITH 70-781D-1 SOCKET

- ✦ 0.187 QUICK CONNECT/SOLDER PLUG-IN OR PRINTED CIRCUIT TERMINALS
  - ✦ FLAG INDICATOR
  - ✦ L.E.D. STATUS LAMP
- ✦ PUSH BUTTON WITH LOCK DOWN DOOR
  - ✦ FINGER GRIP COVER
  - ✦ I.D. TAG/WRITE LABEL
- ✦ OPTIONAL FLANGE AND DIN ADAPTERS
  - ✦ UL LISTED WHEN USED WITH 70-459-1 OR 70-782D-1 SOCKETS

**COIL**

**UNITS**

Standard Voltage AC:	50/60 Hz	6, 12, 24, 110 / 120, 220 / 230, 240	6, 12, 24, 110 / 120, 220 / 230, 240
DC:		6, 12, 24, 48, 110 / 125	6, 12, 24, 48, 110 / 125
Coil Power AC (60 Hz):	VA	0.9	1.2
Coil Power DC:	W	0.7	0.9
Insulation System Per UL Standard 1446:		Class B (130°C)	Class B (130°C)

**CONTACTS**

Contact Configuration:		<b>SPDT</b>	<b>SPDT</b>
Contact Material:		Silver alloy, gold flashed	Silver alloy, gold flashed
Contact Resistance (Initial):	m Ohms	50	50
Contact Rating AC Amperes (AC1):	A	15	20
Contact Rating AC Voltage:	V	277	277
Contact Rating DC Amperes (DC1):	A	15 / 0.5	20 / 0.5
Contact Rating DC Voltage:	V	28 / 220	28 / 220
Horse Power (AC):	Hp	1/2 @ 120 V	1/2 @ 120 V
Horse Power (AC):	Hp	1 @ 250 V	1 @ 250 V

**TIMING**

Operate Time:	ms	20	25
Release Time:	ms	20	20

**DIELECTRIC STRENGTH**

Coil to Contacts:	V rms	2500	2500
Insulation Resistance:	megohms minimum@VDC	100 @ 500	1000 @ 500

**TEMPERATURE**

Operating, AC Lower:	°C	-40	-40
Operating, AC Upper:	°C	+70	+70
Operating, DC Lower:	°C	-40	-40
Operating, DC Upper:	°C	+70	+70
Storage, Lower:	°C	-40	-40
Storage, Upper:	°C	+105	+105

**LIFE EXPECTANCY**

Electrical @ Rated Load (AC1):	operations	15 A: 100,000, 20 A: 50,000	100,000
Mechanical @ no Load :	operations	10,000,000	10,000,000

**MISCELLANEOUS**

Cover Protection Category:	IP	40	40
Weight:	grams	29	36

**MATING SOCKETS**

SEE SECTION 7

70-781D-1, 70-781F-1, 70-781T-1

70-459-1, 70-782D-1, 70-401-1, 70-402-1

**AGENCY APPROVALS**

