



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
DC:	
Coil Power AC (60 Hz):	VA
Coil Power DC:	W
Insulation System Per UL Standard 1446:	

6, 12, 24, 110 / 120, 220 / 230, 240
6, 12, 24, 48, 110 / 125

6, 12, 24, 110 / 120, 220 / 230, 240
6, 12, 24, 48, 110 / 125

0.9

1.2

0.7

0.9

Class B (130°C)

Class B (130°C)

CONTACTS

Contact Configuration:	
Contact Material:	
Contact Resistance (Initial):	m Ohms
Contact Rating AC Amperes (AC1):	A
Contact Rating AC Voltage:	V
Contact Rating DC Amperes (DC1):	A
Contact Rating DC Voltage:	V
Horse Power (AC):	Hp
Horse Power (AC):	Hp

SPDT

Silver alloy, gold flashed

50

15

277

15 / 0.5

28 / 220

1/2 @ 120 V

1 @ 250 V

SPDT

Silver alloy, gold flashed

50

20

277

20 / 0.5

28 / 220

1/2 @ 120 V

1 @ 250 V

TIMING

Operate Time:	ms
Release Time:	ms

20

25

20

20

DIELECTRIC STRENGTH

Coil to Contacts:	V rms
Insulation Resistance:	megohms minimum @ VDC

2500

100 @ 500

2500

1000 @ 500

TEMPERATURE

Operating, AC Lower:	°C
Operating, AC Upper:	°C
Operating, DC Lower:	°C
Operating, DC Upper:	°C
Storage, Lower:	°C
Storage, Upper:	°C

-40

+70

-40

+70

-40

+105

-40

+70

-40

+70

-40

+105

LIFE EXPECTANCY

Electrical @ Rated Load (AC1):	operations
Mechanical @ no Load :	operations

15 A: 100,000, 20 A: 50,000

10,000,000

100,000

10,000,000

MISCELLANEOUS

Cover Protection Category:	IP
Weight:	grams

40

29

40

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



SOCKET COMPATIBLE & FLANGE MOUNT RELAYS



782XBX

MANUFACTURED UNDER
ISO 9002 QS 9000

1.54 x 0.83 x 1.10

- ✦ 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



783XCX

MANUFACTURED UNDER
ISO 9002 QS 9000

1.54 x 1.21 x 1.10

- ✦ 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 70-783D-1 SOCKET



784DX

MANUFACTURED UNDER
ISO 9002 QS 9000

1.54 x 1.60 x 1.10

- ✦ 0.187 QUICK CONNECT/ SOLDER PLUG-IN OR PRINTED CIRCUIT TERMINALS
- ✦ FLAG INDICATOR
- ✦ PUSH BUTTON WITH LOCK DOWN DOOR
- ✦ FINGER GRIP COVER
- ✦ I.D. TAG/WRITE LABEL
- ✦ OPTIONAL FLANGE AND DIN ADAPTERS
- ✦ UL LISTED WHEN USED WITH 70-784D-1 SOCKET

6, 12, 24, 110 / 120, 220 / 230, 240
6, 12, 24, 48, 110 /125

1.2

0.9

Class B (130°C)

6, 12, 24,110 / 120, 220 / 230, 240
6, 12, 24, 48, 110 /125

1.7

1.5

CLASS B (130°C)

6, 12, 24,110 / 120, 220 / 230, 240
6, 12, 24, 48, 110 /125

2

1.5

Class B (130°C)

DPDT

Silver alloy, gold flashed

50

15 / 12

120 / 277

12 / 0.5

28 / 220

1/2 @ 120 V

1 @ 250 V

25

20

2500

1000 @ 500

-40

+70

-40

+70

-40

+105

200,000

10,000,000

40

36

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

3PDT

Silver alloy, gold flashed

50

15 / 12

120 / 277

15 / 0.5

28 / 220

1/2 @ 120 V

3/4 @ 250 V

25

20

2500

1000 @ 500

-40

+70

-40

+70

-40

+105

150,000

10,000,000

40

60

70-783D-1

4PDT

Silver alloy, gold flashed

50

15 / 12

120 / 277

15 / 0.5

28 / 220

1/2 @ 120 V

3/4 @ 250 V

20

20

2500

100 @ 500

-40

+70

-40

+70

-40

+105

150,000

10,000,000

40

80

70-784D-1



**782XBX1
& 782XDX1**

MANUFACTURED UNDER
ISO 9002 QS 9000



**782XBX2
& 782XDX2**

MANUFACTURED UNDER
ISO 9002 QS 9000

PRODUCT

L X W X H (INCHES)

1.54 x 0.83 x 1.10

1.54 x 0.83 x 1.10

FEATURES

- ✦ 0.100 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 AVAILABLE
 - ✦ UL LISTED WHEN USED WITH 70-461-1 SOCKET

- ✦ 0.100 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 AVAILABLE
 - ✦ UL LISTED WHEN USED WITH 70-461-1 SOCKET

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		1.2	1.2
Coil Power DC:	W		0.9	0.9
Insulation System Per UL Standard 1446:			Class B (130°C)	Class B (130°C)
CONTACTS			DPDT, 4PDT	DPDT, 4PDT
Contact Configuration:			Silver alloy, gold flashed	Silver alloy, gold flashed
Contact Material:				
Contact Resistance (Initial):	m Ohms		50	50
Contact Rating AC Amperes (AC1):	A		3	10 / 8.0
Contact Rating AC Voltage:	V		240	120 / 277
Contact Rating DC Amperes (DC1):	A		3 / 0.25	8 / 0.25
Contact Rating DC Voltage:	V		28 / 220	28 / 220
Horse Power (AC):	Hp			1/3 @ 120 V
Horse Power (AC):	Hp		1/10 @ 240 V	1 @ 277 V
TIMING				
Operate Time:	ms		20	20
Release Time:	ms		20	20
DIELECTRIC STRENGTH				
Coil to Contacts:	V rms		1500	1500
Insulation Resistance:	megohms minimum @ VDC		100 @ 500	100 @ 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		200,000	200,000
Mechanical @ no Load :	operations		10,000,000	10,000,000
MISCELLANEOUS				
Cover Protection Category:	IP		40	40
Weight:	grams		36	36

MATING SOCKETS
SEE SECTION 7

70-461-1, 70-378-1, 70-379-1

70-461-1, 70-378-1, 70-379-1

AGENCY APPROVALS



PAGE NUMBER

PAGE 11, 19, 20, 21, 22, 23

PAGE 11, 19, 20, 21, 22, 23

SOCKET COMPATIBLE & FLANGE MOUNT RELAYS



**782XBX3
& 782XDX3**

MANUFACTURED UNDER
ISO 9002 QS 9000

1.54 x 0.83 x 1.10

- ✦ 0.100 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 AVAILABLE
- ✦ UL LISTED WHEN USED WITH 70-461-1 SOCKET



782H

CERTIFIED CLASS 1
DIVISION 2 FOR
HAZARDOUS LOCATIONS

MANUFACTURED UNDER
ISO 9001

1.28 x 0.91 x 1.15

- ✦ 0.100 SOLDER PLUG-IN TERMINALS
- ✦ HERMETICALLY SEALED VACUUM BAKED AND DRY NITROGEN FILLED
- ✦ GRAY LACQUER FINISH OVER STEEL ENCLOSURE
- ✦ MEETS UL STANDARD FOR CLASS 1 DIVISION 2 HAZARDOUS LOCATIONS
- ✦ OPTIONAL TOP OR SIDE STUD MOUNT
- ✦ UL LISTED WHEN USED WITH 70-461-1 SOCKET



750

MANUFACTURED UNDER
ISO 9002 QS 9000

2.280 x 1.37 x 1.39

- ✦ 8 & 11 PIN OCTAL
- ✦ FLAG INDICATOR
- ✦ L.E.D. STATUS LAMP
- ✦ PUSH BUTTON WITH LOCK DOWN DOOR
- ✦ FINGER GRIP COVER
- ✦ I. D. TAG/WRITE LABEL
- ✦ UL LISTED WHEN USED WITH 70-464-1, 70-465-1, 70-750D8-1 OR 70-750D11-1 SOCKETS

6, 12, 24, 110 / 120, 220 / 230, 240
6, 12, 24, 48, 110 / 125

1.2

0.9

Class B (130°C)

6, 12, 24, 110 / 120, 240
6, 12, 24, 48, 110 / 125

1.2

0.9

Class B (130°C)

6, 12, 24, 110 / 120, 220 / 240
6, 12, 24, 48, 110 / 125

2.0 - 3.0

1.4

Class B (130°C)

DPDT, 4PDT

Silver alloy, gold flashed

50

3

240

3 / 0.25

28 / 220

1/16 @ 120 V

20

20

1500

100 @ 500

-40

+70

-40

+70

-40

+105

200,000

10,000,000

40

36

70-461-1, 70-378-1, 70-379-1

4PDT

See Table

50

1.0 / 3.0 / 5.0

240

1.0 / 3.0 / 5.0

28

13

6

1240

1000 @ 500

-40

+70

-40

+70

-40

+105

100,000

10,000,000

67

45

70-461-1, 70-378-1, 70-379-1

DPDT, 3PDT

Silver alloy, gold flashed

50

16

277

16 / 0.5

28 / 220

1/3 @ 120 V

1/2 @ 240 V

20

20

2500

1000 @ 500

-40

+50

-40

+65

-40

+105

100,000

5,000,000

40

89

70-464-1, 70-465-1, 70-750D8-1, 70-750D11-1
70-750EL, 70-750E, 70-750SL