# 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

| | |
|---|---|
| 6, 12, 24, 110 / 120, 220 / 230, 240<br>6, 12, 24, 48, 110 /125 | |
| 1.2<br>0.9 | |
| Class B (130ºC) | |
| **DPDT** | |
| Silver alloy, gold flashed | |
| 50 | |
| 15 / 12<br>120 / 277 | |
| 12 / 0.5<br>28 /220 | |
| 1/2 @ 120 V<br>1 @ 250 V | |
| 25<br>20 | |
| 2500 | |
| 1000 @ 500 | |
| -40<br>+70 | |
| -40<br>+70 | |
| -40<br>+105 | |
| 200,000 | |
| 10,000,000 | |
| 40 | |
| 36 | |

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

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## 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

| | |
|---|---|
| 6, 12, 24,110 / 120, 220 / 230, 240<br>6, 12, 24, 48, 110 /125 | |
| 1.7<br>1.5 | |
| CLASS B (130ºC) | |
| **3PDT** | |
| Silver alloy, gold flashed | |
| 50 | |
| 15 / 12<br>120 / 277 | |
| 15 / 0.5<br>28 / 220 | |
| 1/2 @ 120 V<br>3/4 @ 250 V | |
| 25<br>20 | |
| 2500 | |
| 1000 @ 500 | |
| -40<br>+70 | |
| -40<br>+70 | |
| -40<br>+105 | |
| 150,000 | |
| 10,000,000 | |
| 40 | |
| 60 | |

**70-783D-1**

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## 784XDX

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<br>6, 12, 24, 48, 110 /125 | |
| 2<br>1.5 | |
| Class B (130ºC) | |
| **4PDT** | |
| Silver alloy, gold flashed | |
| 50 | |
| 15 / 12<br>120 / 277 | |
| 15 / 0.5<br>28 / 220 | |
| 1/2 @ 120 V<br>3/4 @ 250 V | |
| 20<br>20 | |
| 2500 | |
| 100 @ 500 | |
| -40<br>+70 | |
| -40<br>+70 | |
| -40<br>+105 | |
| 150,000 | |
| 10,000,000 | |
| 40 | |
| 80 | |

**70-784D-1**

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Magnecraft & Struthers-Dunn
Your Contact for Industrial Relays

# SOCKET COMPATIBLE & FLANGE MOUNT RELAYS

| PRODUCT | 782XBX1 & 782XDX1 | 782XBX2 & 782XDX2 |
|---|---|---|
| | MANUFACTURED UNDER ISO 9002 QS 9000 | MANUFACTURED UNDER ISO 9002 QS 9000 |
| 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<br>• FLAG INDICATOR<br>• L.E.D. STATUS LAMP<br>• PUSH BUTTON<br>• FINGER GRIP COVER<br>• I.D. TAG/WRITE LABEL<br>• OPTIONAL FLANGE AND DIN ADAPTERS AVAILABLE<br>• UL LISTED WHEN USED WITH 70-461-1 SOCKET | • 0.100 QUICK CONNECT/ SOLDER PLUG-IN OR PRINTED CIRCUIT TERMINALS<br>• FLAG INDICATOR<br>• L.E.D. STATUS LAMP<br>• PUSH BUTTON WITH LOCK DOWN DOOR<br>• FINGER GRIP COVER<br>• I.D. TAG/WRITE LABEL<br>• OPTIONAL FLANGE AND DIN ADAPTERS AVAILABLE<br>• 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 |
| DC: | | 6, 12, 24, 48, 110 /125 |
| Coil Power AC (60 Hz): | VA | 1.2 |
| Coil Power DC: | W | 0.9 |
| Insulation System Per UL Standard 1446: | | Class B (130ºC) |
| **CONTACTS** | | |
| Contact Configuration: | | **DPDT, 4PDT** |
| Contact Material: | | Silver alloy, gold flashed |
| Contact Resistance (Initial): | m Ohms | 50 |
| Contact Rating AC Amperes (AC1): | A | 3 |
| Contact Rating AC Voltage: | V | 240 |
| Contact Rating DC Amperes (DC1): | A | 3 / 0.25 |
| Contact Rating DC Voltage: | V | 28 / 220 |
| Horse Power (AC): | Hp | |
| Horse Power (AC): | Hp | 1/10 @ 240 V |
| **TIMING** | | |
| Operate Time: | ms | 20 |
| Release Time: | ms | 20 |
| **DIELECTRIC STRENGTH** | | |
| Coil to Contacts: | V rms | 1500 |
| Insulation Resistance: | megohms minimum@VDC | 100 @ 500 |
| **TEMPERATURE** | | |
| Operating, AC Lower: | ºC | -40 |
| Operating, AC Upper: | ºC | +70 |
| Operating, DC Lower: | ºC | -40 |
| Operating, DC Upper: | ºC | +70 |
| Storage, Lower: | ºC | -40 |
| Storage, Upper: | ºC | +105 |
| **LIFE EXPECTANCY** | | |
| Electrical @ Rated Load (AC1): | operations | 200,000 |
| Mechanical @ no Load : | operations | 10,000,000 |
| **MISCELLANEOUS** | | |
| Cover Protection Category: | IP | 40 |
| Weight: | grams | 36 |
| **MATING SOCKETS** SEE SECTION 7 | | 70-461-1, 70-378-1, 70-379-1 |
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| | 782XBX1 & 782XDX1 | 782XBX2 & 782XDX2 |
|---|---|---|
| **COIL** | **UNITS** | |
| Standard Voltage AC: | 50/60 Hz | 6, 12, 24, 110 / 120, 220 / 230, 240 |
| DC: | | 6, 12, 24, 48, 110 /125 |
| Coil Power AC (60 Hz): | VA | 1.2 |
| Coil Power DC: | W | 0.9 |
| Insulation System Per UL Standard 1446: | | Class B (130ºC) |
| **CONTACTS** | | |
| Contact Configuration: | | **DPDT, 4PDT** |
| Contact Material: | | Silver alloy, gold flashed |
| Contact Resistance (Initial): | m Ohms | 50 |
| Contact Rating AC Amperes (AC1): | A | 10 / 8.0 |
| Contact Rating AC Voltage: | V | 120 / 277 |
| Contact Rating DC Amperes (DC1): | A | 8 / 0.25 |
| Contact Rating DC Voltage: | V | 28 / 220 |
| Horse Power (AC): | Hp | 1/3 @ 120 V |
| Horse Power (AC): | Hp | 1 @ 277 V |
| **TIMING** | | |
| Operate Time: | ms | 20 |
| Release Time: | ms | 20 |
| **DIELECTRIC STRENGTH** | | |
| Coil to Contacts: | V rms | 1500 |
| Insulation Resistance: | megohms minimum@VDC | 100 @ 500 |
| **TEMPERATURE** | | |
| Operating, AC Lower: | ºC | -40 |
| Operating, AC Upper: | ºC | +70 |
| Operating, DC Lower: | ºC | -40 |
| Operating, DC Upper: | ºC | +70 |
| Storage, Lower: | ºC | -40 |
| Storage, Upper: | ºC | +105 |
| **LIFE EXPECTANCY** | | |
| Electrical @ Rated Load (AC1): | operations | 200,000 |
| Mechanical @ no Load : | operations | 10,000,000 |
| **MISCELLANEOUS** | | |
| Cover Protection Category: | IP | 40 |
| Weight: | grams | 36 |
| **MATING SOCKETS** SEE SECTION 7 | | 70-461-1, 70-378-1, 70-379-1 |
| **AGENCY APPROVALS** | | c US UL Recognized File No. E43641 · SA 40787 · CE · UL LISTED · TÜV |
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