



Magnecraft & Struthers-Dunn
Your Contact for Relays

FEATURES

- FLAG INDICATOR:** SHOWS RELAY STATUS IN MANUAL OR POWERED CONDITION.
- L.E.D. STATUS LAMP:** SHOWS COIL "ON" OR "OFF" STATUS. IDEAL IN LOW LIGHT CONDITIONS.
- PUSHBUTTON:** ALLOWS FOR MANUAL OPERATION OF RELAY WITHOUT THE NEED FOR COIL POWER. IDEAL FOR FIELD SERVICE PERSONNEL TO TEST CONTROL CIRCUITS.
- LOCK-DOWN DOOR:** WHEN ACTIVATED, HOLDS PUSH BUTTON AND CONTACTS IN THE OPERATE POSITION. EXCELLENT FOR ANALYZING CIRCUIT PROBLEMS.
- FINGER-GRIP COVER:** ALLOWS OPERATOR TO REMOVE RELAYS FROM SOCKETS MORE EASILY THAN CONVENTIONAL RELAYS.
- I.D. TAG/WRITE LABEL:** USED FOR IDENTIFICATION OF RELAYS IN MULTI-RELAY CIRCUITS.

BENEFITS

SERIES 788

DPDT, 3PDT SQUARE BASE POWER RELAY



UL RATED 12 AMPS

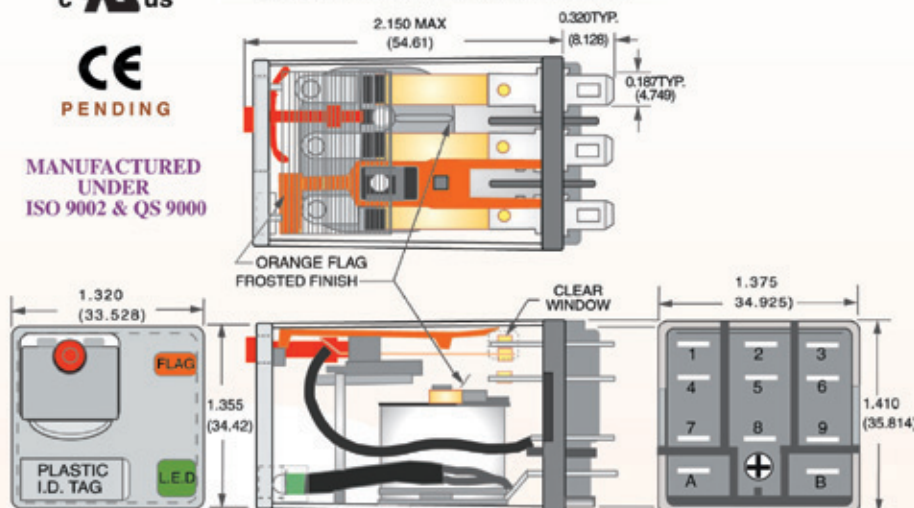


PENDING

MANUFACTURED
UNDER
ISO 9002 & QS 9000

OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



ORDERING CODE

Series: 788 XBX CM4L-120A

Enclosed Power relay with
flag indicator & I.D. tag.

Contact Arrangement:

XBX - (DPDT)

XCX - (3PDT)

Terminal Style:

Q.C./plug-in (Blade) terminals - No Code

Printed Circuit terminals - Code - T

Standard Features:

Push Button & Lock down door.

Green L.E.D. Lamp Indicator.

Coil Voltage:

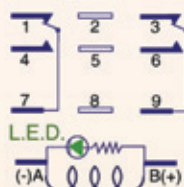
6(4.2Ω), 12(18Ω), 24(72Ω), 120(1.7KΩ), 220/230(9KΩ), 240(9.1KΩ)

Add A for VAC Coils

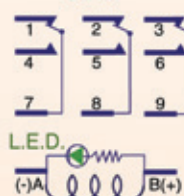
6(32Ω), 12(120Ω), 24(470Ω), 48(1.8KΩ), 110(10KΩ)

Add D for VDC Coils

DPDT



3PDT



OBSERVE POLARITY ON DC COIL

GENERAL SPECIFICATIONS

COIL

- Pull-in Voltage:** 80% of nominal voltage or less for DC coils.
85% of Nominal Voltage or less for AC coils.
- Dropout Voltage:** 10% of Nominal Voltage or more.
- Resistance:** ±10% Measured @ 25°C.
- Coil power:** 1.2 Watts for DC coils, 2 VA to 2.75 VA for AC coils.
- Insulation System:** Class "B" (130°C per UL std.1446).
- Maximum Coil Dissipation:** Capability of DC coils 3.0 Watts max.
- Duty:** Continuous

CONTACTS

- Contact Material:** 0.187" Solid Silver cadmium oxide. (Gold Flashed)
- Contact Resistance:** 50 Milliohms maximum @ 10 Amps, 120VAC or 24 VDC Contacts conditioned for 50 make and break operations @ 1 second "ON" & 1 second "OFF"
- Contact Rating:** 12Amp, 120/240 VAC, 28 VDC. 1/3Hp 120 VAC, 1/2Hp 240 VAC.

DIELECTRIC STRENGTH

- Contacts to Coil:** 2000 V rms
- Across open Contacts:** 500 V rms
- Pole to Pole:** 2000 V rms
- Contacts to Frame:** 2000 V rms
- Insulation Resistance:** 1000 megohms @ 500 VDC.

TEMPERATURE

- Operating:** -30°C to +50°C (AC), -30°C to +60°C (DC)
- Storage:** -30°C to +100°C

LIFE EXPECTANCY

- Electrical:** 200,000 Operations @ Rated AC load
- Mechanical:** 5,000,000 Operations @ No load

MISCELLANEOUS

- Operating Position:** Any
- Insulation Material:** Molded plastic.
- Enclosure:** Polycarbonate dust cover
- Terminals:** 0.187" Q.C. plug - in bland terminal
- Weight:** 3.1 oz. 88 g approx.

MATING SOCKETS AVAILABLE