HIGH VOLTAGE PLUG-IN & FLANGE MOUNT RELAY

DPST-NO, 3PST-NO, 15 AMPS

UL CONTACT LOAD RATINGS TABLE

POLES	CURRENT OR HORSE POWER	LOAD VOLTAGE	LOAD VOLTAGE FREQUENCY	TYPE OF LOAD
1 POLE THRU 3 POLES	15 AMP	120/240 VAC	50/60 Hz	RESISTIVE
	15 AMP	28 VDC	DC	RESISTIVE
	1/3 HP	120 VAC	50/60 Hz	MOTOR
	1/2 HP	240 VAC	50/60 Hz	MOTOR

BENEFITS OF 3mm CONTACT GAP DESIGN:

1. HIGH DIELECTRIC STRENGTH ACROSS CONTACTS.
2. IMPROVED ARC QUENCHING WHEN BREAKING HIGH CURRENT LOADS.
3. MEETS EUROPEAN SPACING REQUIREMENTS OF 8mm ACROSS SURFACES

c UL us
UL Recognized
File No. E43641

SA 168986

CE

UL LISTED 367G IND. CONT. EQ.
C US
WHEN USED WITH SOCKET 70-463-1

CURRENT LIMITED TO RATING OF RELAY OR SOCKET WHICHEVER IS LESS.

COMPLIES WITH REQUIREMENTS OF

* IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE
* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION
* CE TESTING AND EVALUATION PERFORMED BY THE UNDERWRITERS LABORATORIES AS A THIRD PARTY PARTICIPANT

MANUFACTURED UNDER ISO 9002 & QS 9000

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 at 25˚C
Coil Power:	1.2 watts for DC coils, 2 VA to 2.75 VA for AC @ 25˚C
Insulation System:	Class "B" (130˚C per UL standard 1446)
Maximum Coil Dissipation:	3.0 watts max. DC
Duty:	Continuous

CONTACTS

Contact material:	Silver cadmium oxide, gold flashed
Contact Resistance:	50 milliohms maximum initial resistance at rated current
Contact Ratings:	See “UL CONTACT LOAD RATINGS TABLE”

DIELECTRIC STRENGTH

Contacts to Coil:	3 mm gap, 4000 V rms
Across Open Contacts:	3 mm gap, 1000 V rms
Pole to Pole:	2000 V rms
Contacts to Frame:	2000 V rms
Insulation Resistance:	1000 megohms @ 500 VDC

TEMPERATURE

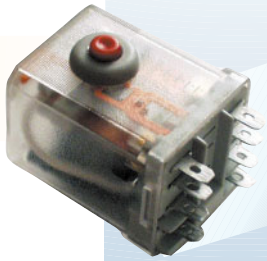
Operating:	-30˚C to +50˚C (AC), -30˚C to +65˚C (DC)
Storage	-30˚C to 100˚C

LIFE EXPECTANCY

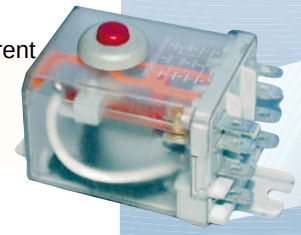
Electrical:	100,000 operations @ rated resistive load
Mechanical:	5,000,000 operations @ no load

MISCELLANEOUS

Operating Position:	Any
Insulation material:	Molded plastic
Enclosure:	Polycarbonate dust cover
Terminals:	0.187 x 0.032 quick connect flange or 0.187 x 0.020 solder/plug-in. Optional printed circuit terminals available
Weight:	88 grams approx.



PLUG-IN



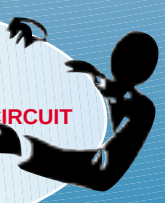
OPTIONAL FLANGE COVER

FLANGE MOUNT



OPTIONAL DIN COVER

DIN MOUNT COVER



Mating Sockets
70-463-1: SCREW/DIN
70-124-1: SOLDER
70-178-1, 70-178-2: PRINTED CIRCUIT
70-124-2: QUICK CONNECT
See section 8, page 16, 17

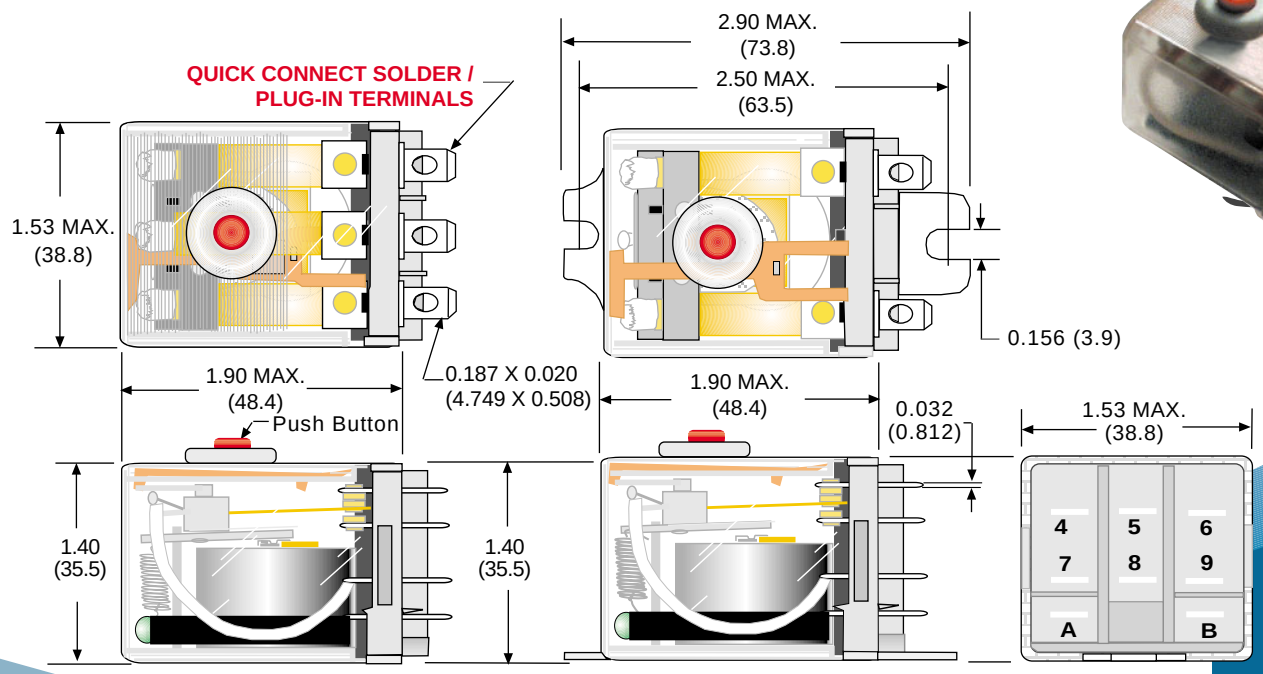
PHONE: (843) 393-5778 FAX: (843) 393-4123 EMAIL: info@magnecraft.com

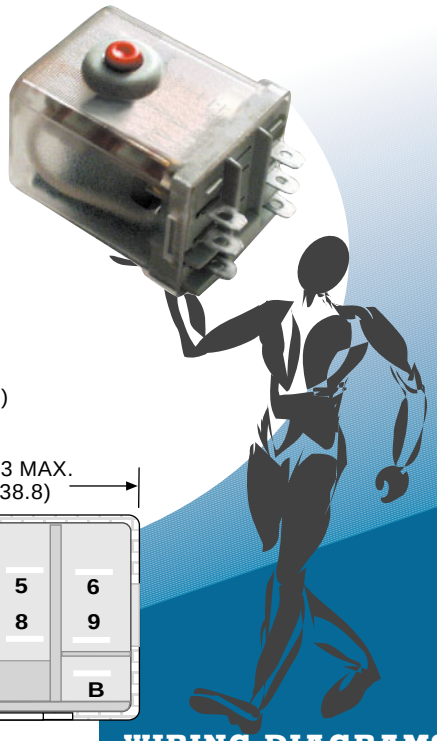
HIGH VOLTAGE PLUG-IN & FLANGE MOUNT RELAY

DPST-NO, 3PST-NO, 15 AMPS

OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



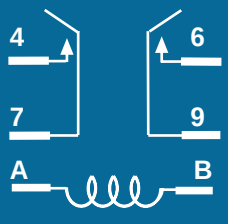


3 MILLIMETER CONTACT GAP.

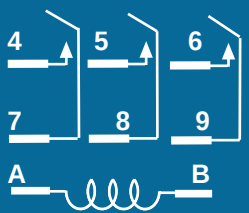
PUSH BUTTON STANDARD.

WIRING DIAGRAMS

(VIEWED FROM PIN END)



DPST-NO



3PST-NO

ORDERING CODE FOR RELAYS

388V CXX C1 M 24A

CLASS:

CONTACT CONFIGURATION:
BXX - (DPST-NO) 3 MM CONTACT GAP,
CXX - (3PST-NO) 3 MM CONTACT GAP,

CONSTRUCTION STYLE:
***** ENCLOSED, PLAIN COVER**: CODE C**
ENCLOSED, FLANGE COVER: **CODE C1**
ENCLOSED, 6-32 TAPPED CORE & ANTI-ROTATION TAB**: CODE C2**
ENCLOSED 6-32 STUD & ANTI-ROTATION TAB: **CODE CS2**
ENCLOSED TOP FLANGE MOUNT**: CODE C3**
ENCLOSED DIN MOUNT**: CODE C4**

TERMINAL STYLE:
† QUICK CONNECT SOLDER/PLUG-IN TERMINALS**: NO CODE**
PRINTED CIRCUIT TERMINALS**: CODE T**

OPTIONS:
L.E.D. STATUS LAMP**: CODE L**
PUSH BUTTON**: CODE M**
MAGNETIC BLOWOUT**: CODE 69**
DC COIL SUPPRESSION**: CODE V**
AC COIL SUPPRESSION**: CODE V1**
RECTIFIED COIL**: CODE V2**

COIL VOLTAGE:
6, 12, 24, 120, 240 **ADD "A" FOR AC COILS**
6, 12, 24, 48, 110 **ADD "D" FOR DC COILS**

***** Note: Code C recommended to be used with printed circuit terminals or Plug-in applications only.
† 0.187 Quick connect or Solder terminals are socket Compatible.

STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25°C NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED PLUG-IN WITH PUSH BUTTON 3mm GAP, 15AMP			
388VCXXCM-220/240A	3PST-NO	220-240 VAC,50/60Hz	9100 Ω
388VCXXCM-120A	3PST-NO	120 VAC,50/60Hz	1100 Ω
388VCXXCM-24A	3PST-NO	24 VAC,50/60Hz	75 Ω
388VBXXCM-220/240A	DPST-NO	220-240 VAC,50/60Hz	9100 Ω
388VBXXCM-120A	DPST-NO	120 VAC,50/60Hz	1100 Ω
388VBXXCM-24A	DPST-NO	24 VAC,50/60 Hz	75 Ω
DC OPERATED PLUG-IN WITH PUSH BUTTON 3mm GAP, 15AMP			
388VCXXCM-24D	3PST-NO	24 VDC	240 Ω
388VCXXCM-12D	3PST-NO	12 VDC	120 Ω
388VBXXCM-24D	DPST-NO	24 VDC	240 Ω
388VBXXCM-12D	DPST-NO	12 VDC	120 Ω

RETROFITS POTTER & BRUMFIELD KUGP.
SEE END OF SECTION 1 FOR CROSS REFERENCE