CLASS 388ML & 285 SQUARE BASE MAGNETIC LATCHING RELAY

DPDT, 10 AMPS

FEATURES	BENEFITS
11 PIN BLADE TERMINAL SQUARE BASE:	ACCEPTS STANDARD 0.187" QUICK CONNECT TERMINALS AS WELL AS EXISTING READILY AVAILABLE SOCKETS
CONSERVATIVE 10 AMP CONTACT RATING:	WILL TOLERATE SIGNIFICANT ACCIDENTAL OVERLOADS WITHOUT PREMATURE FAILURE
3 AMP 600 VAC CONTACT RATING:	ACCOMMODATES NEARLY ALL CONTROL CIRCUIT VOLTAGES

c UL us Recognized Component mark for Canada and the United States.
UL Recognized
File No. E43641

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

GENERAL SPECIFICATIONS

COIL

Pull-in Voltage:	85% of nominal voltage or less for AC coils 75% of nominal voltage or less for DC coils
Max. Voltage:	5 x nominal voltage with no false transfer of contacts during operate or reset pulse
Resistance:	±10% measured @ 25˚C
Coil Power:	1.9 watts DC, 2.1 VA(60 Hz) AC @ 25˚C
Insulation System:	Class "B" (130˚C per UL standard. 1446)
Pulse Duration Min.:	30 milliseconds
Duty:	Single coils are continuous duty, Dual coils are intermittent duty

CONTACTS

Contact Material:	Silver cadmium oxide, gold flashed
Contact Resistance:	50 milliohms maximum initial at rated current
Contact Rating:	10 amps @ 120 / 240 VAC, 28 VDC, 1/3 Hp @ 120 VAC, 1/2 Hp @ 240 VAC., 5 amps @ 480 VAC, 3 amps 600 VAC

TIMING

Operate time:	(AC) 30 mS max., (DC) 20 mS max. @ nominal voltage
Reset time:	(AC) 30 mS max., (DC) 20 mS max. @ nominal voltage

DIELECTRIC STRENGTH

Contacts to Coil:	1500 V rms
Coil to Frame:	1500 V rms
Across Open Contacts:	500 V rms
Pole to Pole:	1500 V rms
Contacts to Frame:	1500 V rms
Insulation Resistance:	1000 megohms min. @ 500 VDC

TEMPERATURE

Operating:	-45˚C to +70˚C @ rated operation
Storage:	-45˚C to +105˚C

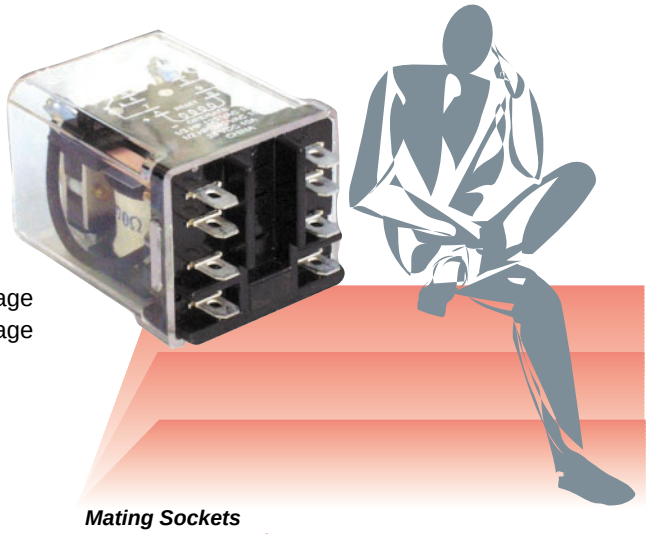
LIFE EXPECTANCY

Electrical:	100,000 operations @ rated resistive load
Mechanical:	10,000,000 operations @ no load

MISCELLANEOUS

Operating Position:	Any
Insulation Material:	Molded plastic
Enclosure:	Clear polycarbonate
Weight:	87 grams approx.

MAGNETIC LATCHING RELAY WITH SQUARE BASE. OPERATES BY PULSED INPUT AND MAINTAINS LAST POSITION.



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

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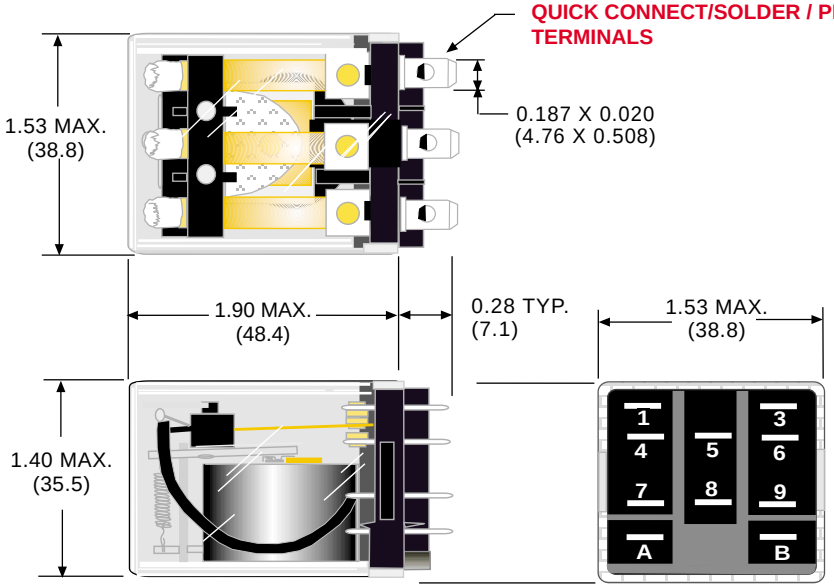
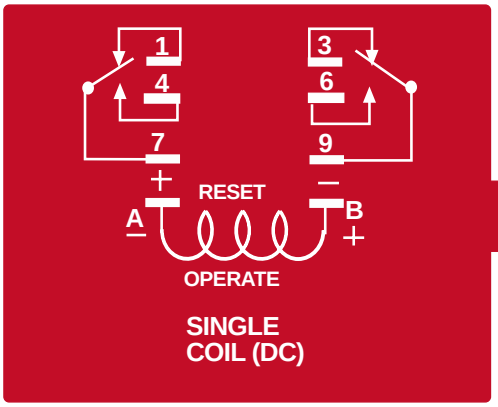
OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

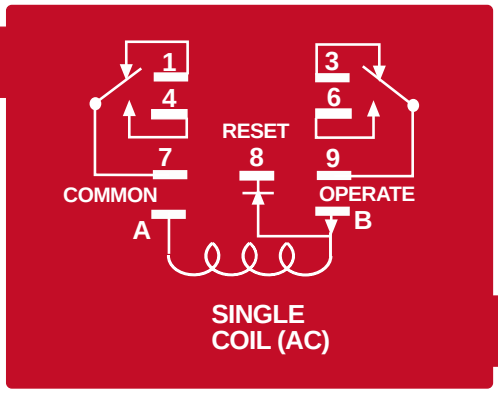


WIRING DIAGRAMS

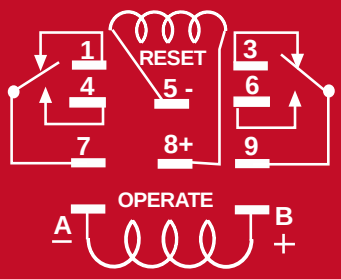
(VIEWED FROM PIN END)



SINGLE COIL (DC)



SINGLE COIL (AC)



DUAL COIL (DC)

STANDARD PART NUMBERS	STRUTHERS-DUNN EQUIVALENT PART NUMBERS	COIL MEASURED @ 25˚C NOMINAL INPUT VOLTAGE	COIL MEASURED @ 25˚C NOMINAL RESISTANCE (OHMS)
AC OPERATED, SINGLE COIL			
W388AMLCPX-9	285XBXC-120A	120 VAC	10,000 Ω
DC OPERATED, SINGLE COIL			
W388MLCPX-6	285XBXC-12D	12 VDC	120 Ω
W388MLCPX-7	285XBXC-24D	24 VDC	470 Ω
DC OPERATED, DUAL COIL			
W388ML2CPX-6	285XBXCD-12D	12 VDC	88/88 Ω
W388ML2CPX-7	285XBXCD-24D	24 VDC	350/350 Ω

3PDT AVAILABLE