

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
	10AMP	28 VDC	DC	RESISTIVE
	1/3 HP	120 VAC	50/60 Hz	MOTOR
	1/2 HP	240 VAC	50/60 Hz	MOTOR

SPDT, DPDT & 3PDT, 15 AMPS

UL **us**
UL Recognized
File No. E13224

SP 168986

CE

UL LISTED 367G
IND. CONT. EQ.
C **us**
WHEN USED
WITH SOCKETS
70-463-1

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

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

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
Max. Voltage:	110%
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:	0.187 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:	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 +65°C (DC)
Storage	-30°C to 100°C

LIFE EXPECTANCY

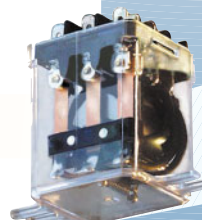
Electrical:	100,000 operations @ rated resistive load
Mechanical:	5,000,000 operations @ no load

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****FLANGE MOUNT**

OPTIONAL P.C. TERMINAL
CONSULT FACTORY.

PRINTED CIRCUIT TERMINAL

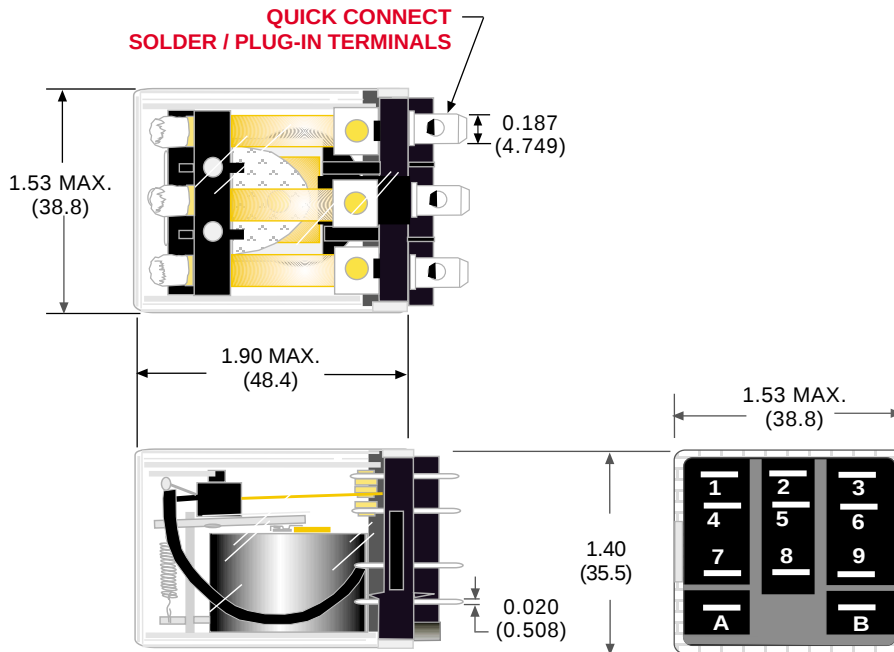
OPTIONAL TOP FLANGE
COVER CONSULT FACTORY.

TOP FLANGE MOUNT

OPTIONAL DIN COVER
CONSULT FACTORY.

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**

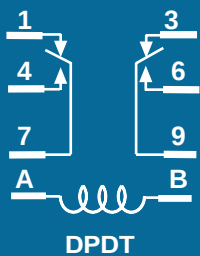
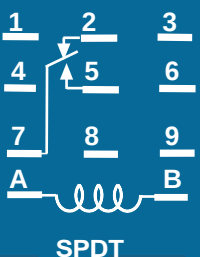
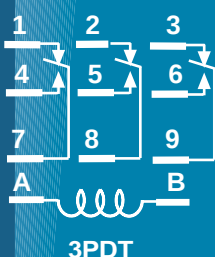
See section 8, page 16, 17

SPDT, DPDT & 3PDT, 15 AMPS**OUTLINE DIMENSIONS**
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

SEE CLASS 788 FOR
PART NUMBERS WITH
L.E.D. STATUS LAMP
AND PUSH BUTTON

WIRING DIAGRAMS

(VIEWED FROM PIN END)

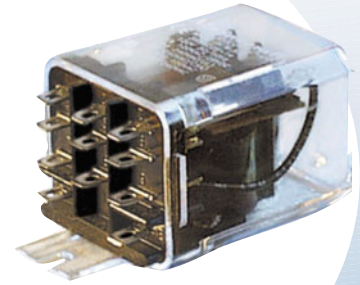
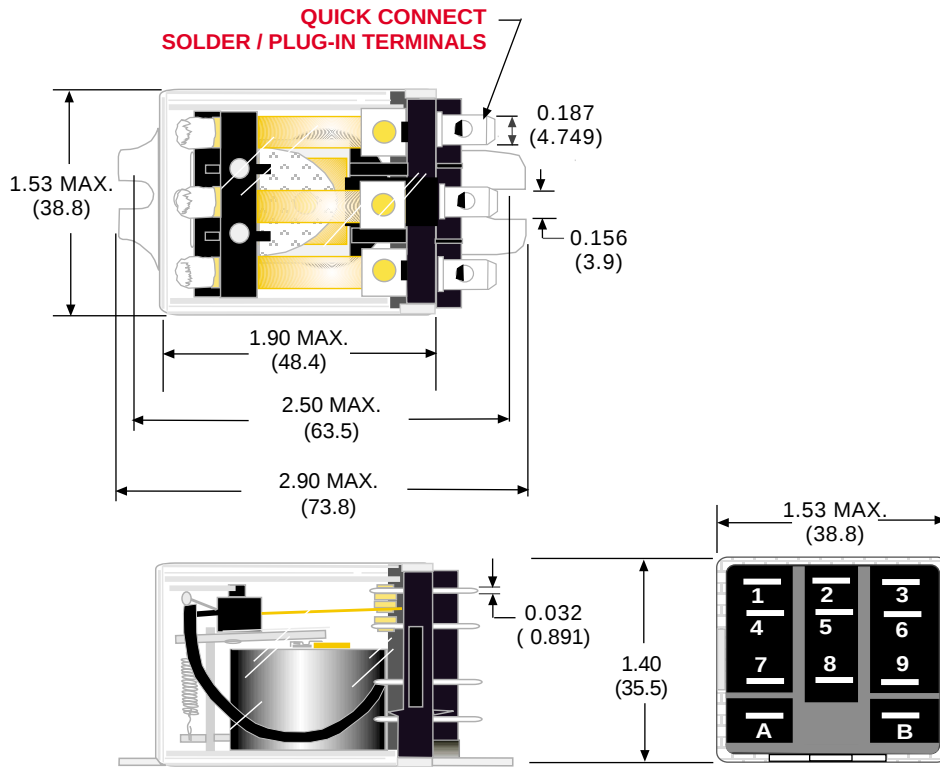
**DPDT****SPDT****3PDT**

STANDARD PART NUMBERS			COIL MEASURED @ 25°C	
A283	W388	CONTACT CONFIGU- RATION	NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED SOLDER/PLUG-IN, 15 AMP				
A283XAXC-120A	W388ACPX-4	SPDT	120 VAC, 50/60Hz	2250 Ω
A283XAXC-240A	W388ACPX-5	SPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XBXC-24A	W388ACPX-8	DPDT	24 VAC, 50/60Hz	75 Ω
A283XBXC-120A	W388ACPX-9	DPDT	120 VAC, 50/60Hz	2250 Ω
A283XBXC-240A	W388ACPX-10	DPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XCXC-24A	W388ACPX-13	3PDT	24 VAC, 50/60Hz	72 Ω
A283XCXC-120A	W388ACPX-14	3PDT	120 VAC, 50/60Hz	1700 Ω
A283XCXC-240A	W388ACPX-15	3PDT	220/240 VAC, 50/60Hz	7200 Ω
DC OPERATED SOLDER/PLUG-IN, 15 AMP				
A283XAXC-12D	W388CPX-2	SPDT	12 VDC	120 Ω
A283XAXC-24D	W388CPX-3	SPDT	24 VDC	472 Ω
A283XBXC-12D	W388CPX-6	DPDT	12 VDC	120 Ω
A283XBXC-24D	W388CPX-7	DPDT	24 VDC	472 Ω
A283XBXC-110D	W388CPX-8	DPDT	110 VDC	10,000 Ω
A283XCXC-12D	W388CPX-10	3PDT	12 VDC	120 Ω
A283XCXC-24D	W388CPX-11	3PDT	24VDC	472 Ω

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

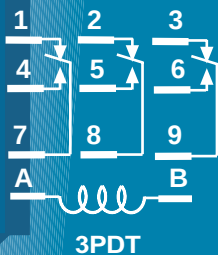
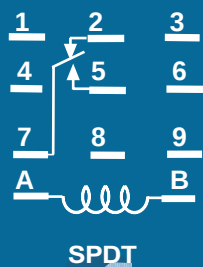
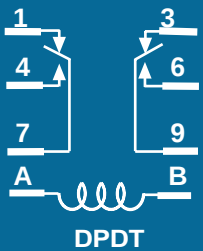
SPDT, DPDT & 3PDT, 15 AMPS

OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



SEE CLASS 388J FOR
PART NUMBERS WITH
L.E.D. STATUS LAMP
AND PUSH BUTTON

WIRING DIAGRAMS
(VIEWED FROM PIN END)



STANDARD PART NUMBERS		CONTACT CONFIGU- RATION	COIL MEASURED @ 25°C	
A283	W388		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED, 15 AMP				
A283XAXC1-120A	W388ACQX-4	SPDT	120 VAC, 50/60Hz	2250 Ω
A283XAXC1-240A	W388ACQX-5	SPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XBXC1-120A	W388ACQX-9	DPDT	120 VAC, 50/60Hz	2250 Ω
A283XBXC1-240A	W388ACQX-10	DPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XCXC1-120A	W388ACQX-14	3PDT	120 VAC, 50/60Hz	1700 Ω
A283XCXC1-240A	W388ACQX-15	3PDT	220/240 VAC, 50/60Hz	7200 Ω
DC OPERATED, 15 AMP				
A283XAXC1-12D	W388CQX-2	SPDT	12 VDC	120 Ω
A283XAXC1-24D	W388CQX-3	SPDT	24 VDC	472 Ω
A283XBXC1-12D	W388CQX-6	DPDT	12 VDC	120 Ω
A283XBXC1-24D	W388CQX-7	DPDT	24 VDC	472 Ω
A283XBXC1-24D	W388CQX-11	3PDT	24 VDC	472 Ω

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