

SPDT, DPDT & 3PDT, 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
	10 AMP	28 VDC	DC	RESISTIVE
	1/3 HP	120 VAC	50/60 Hz	MOTOR
	1/2 HP	240 VAC	50/60 Hz	MOTOR
	3 AMP	600 VAC	50/60 Hz	RESISTIVE

UL **us** **168986**
 UL Recognized
 File No. E13224

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 alloy, 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 PRINTED CIRCUIT TERMINAL CONSULT FACTORY.



OPTIONAL TOP FLANGE COVER CONSULT FACTORY.



OPTIONAL DIN COVER CONSULT FACTORY.

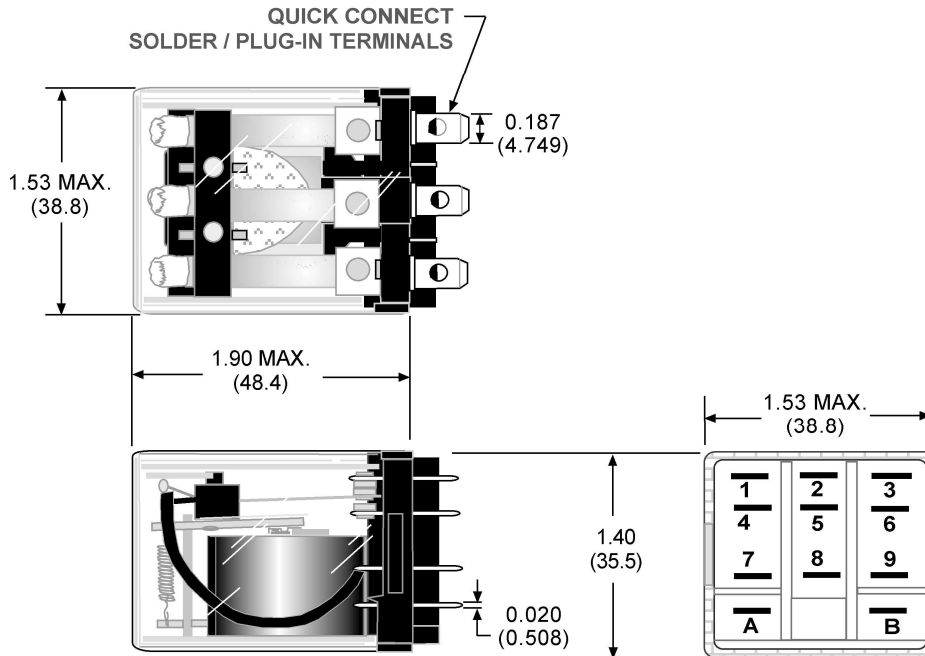
Mating Sockets

- 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



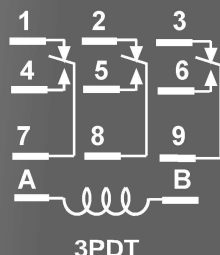
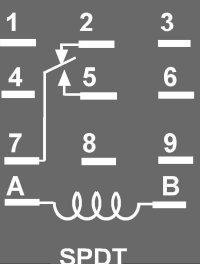
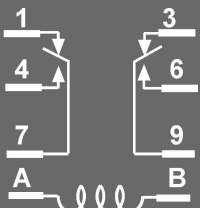
SPDT, DPDT & 3PDT, 15 AMPS

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)

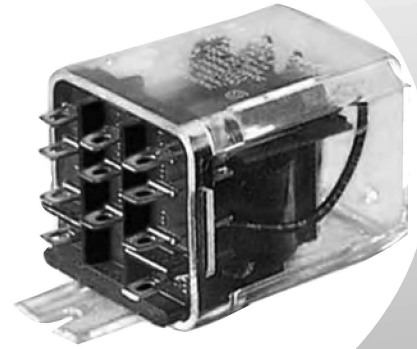
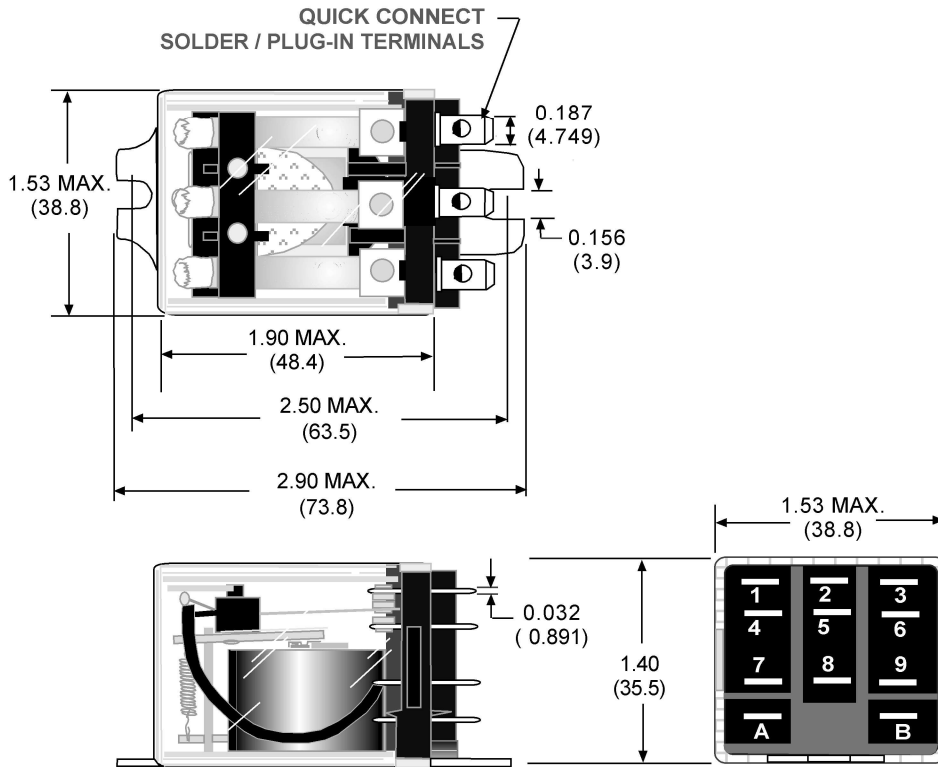


STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25°C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED SOLDER/PLUG-IN, 15 AMP			
A283XAXC-120A	SPDT	120 VAC, 50/60Hz	2250 Ω
A283XAXC-240A	SPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XBXC-24A	DPDT	24 VAC, 50/60Hz	75 Ω
A283XBXC-120A	DPDT	120 VAC, 50/60Hz	2250 Ω
A283XBXC-240A	DPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XCXC-24A	3PDT	24 VAC, 50/60Hz	72 Ω
A283XCXC-120A	3PDT	120 VAC, 50/60Hz	1700 Ω
A283XCXC-240A	3PDT	220/240 VAC, 50/60Hz	7200 Ω
DC OPERATED SOLDER/PLUG-IN, 15 AMP			
A283XAXC-12D	SPDT	12 VDC	120 Ω
A283XAXC-24D	SPDT	24 VDC	472 Ω
A283XBXC-12D	DPDT	12 VDC	120 Ω
A283XBXC-24D	DPDT	24 VDC	472 Ω
A283XBXC-110D	DPDT	110 VDC	10,000 Ω
A283XCXC-12D	3PDT	12 VDC	120 Ω
A283XCXC-24D	3PDT	24VDC	472 Ω

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

SPDT, DPDT & 3PDT, 15 AMPS

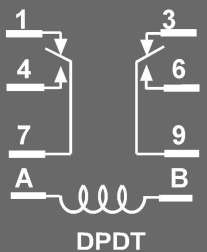
OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



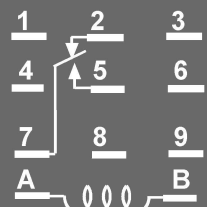
SEE CLASS 388J FOR PART NUMBERS WITH L.E.D. STATUS LAMP AND PUSH BUTTON

WIRING DIAGRAMS

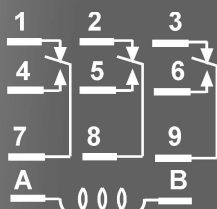
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DPDT



SPDT



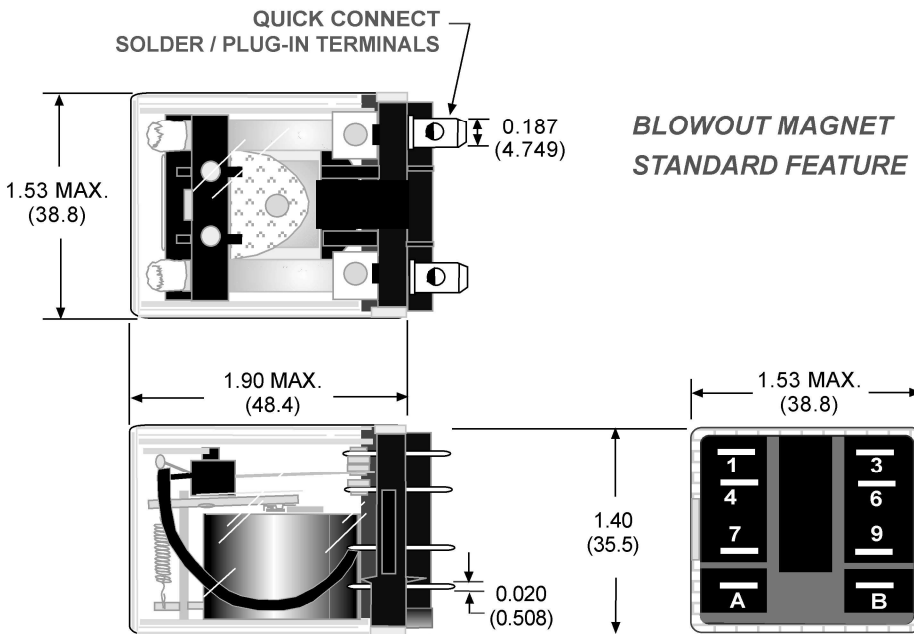
3PDT

STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25°C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED, 15 AMP			
A283XAXC1-120A	SPDT	120 VAC, 50/60Hz	2250 Ω
A283XAXC1-240A	SPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XBXC1-120A	DPDT	120 VAC, 50/60Hz	2250 Ω
A283XBXC1-240A	DPDT	220/240 VAC, 50/60Hz	9100 Ω
A283XCXC1-120A	3PDT	120 VAC, 50/60Hz	1700 Ω
A283XCXC1-240A	3PDT	220/240 VAC, 50/60Hz	7200 Ω
DC OPERATED, 15 AMP			
A283XAXC1-12D	SPDT	12 VDC	120 Ω
A283XAXC1-24D	SPDT	24 VDC	472 Ω
A283XBXC1-12D	DPDT	12 VDC	120 Ω
A283XBXC1-24D	DPDT	24 VDC	472 Ω
A283XCXC1-24D	3PDT	24 VDC	472 Ω

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

DPDT , DPST-NO, SPST-NO-DM, SPDT-NO-DM -DB & SPST-NO-DM, 3 & 10 AMPS, 150 VDC SWITCHING

OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



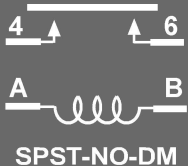
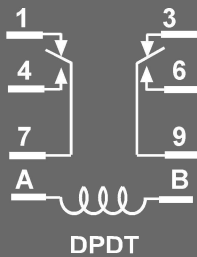
UL CONTACT LOAD RATINGS TABLE FOR DC SWITCHING

POLES	CURRENT OR HORSE POWER	LOAD VOLTAGE	TYPE OF LOAD
DPDT	3 AMP	150 VDC	RESISTIVE
SPST (DM and/or DB)	10 AMP	150 VDC	RESISTIVE
SPST (N.O or N.C)	10 AMP	150 VDC	RESISTIVE

THE BLOWOUT MAGNET STYLES HAVE THE SAME LOAD SPECIFICATIONS AS THE A283 ENCLOSED PLUG-IN RELAYS, PLUS THE ADDITIONAL LOAD RATINGS CHARTED IN TABLE ABOVE. SEE A283 GENERAL SPECIFICATIONS.

WIRING DIAGRAMS

(VIEWED FROM PIN END)



STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25°C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED WITH BLOWOUT MAGNET, 3 AMP			
A283XBX69C-120A	DPDT	120 VAC, 50/60 Hz	2250 Ω
DC OPERATED WITH BLOWOUT MAGNET, 3 AMP			
A283XBX69C-12D	DPDT	12 VDC	120 Ω
A283XBX69C-24D	DPDT	24 VDC	472 Ω
A283XBX69C-110D	DPDT	110 VDC	10,000 Ω
AC OPERATED WITH BLOWOUT MAGNET, 10 AMP			
A283HXX69C-120A	SPST-NO (DM)	120 VAC, 50/60 Hz	2250 Ω
DC OPERATED WITH BLOWOUT MAGNET, 10 AMP			
A283HXX69C-48D	SPDT-NO (DM-DB)	48 VDC	1800 Ω
DC OPERATED WITH BLOWOUT MAGNET, 5 AMP			
A283BXX69C-24D	DPST-NO	24 VDC	472 Ω
A283BXX69C-48D	DPST-NO	48 VDC	1800 Ω
DC OPERATED WITH BLOWOUT MAGNET, 10 AMP			
A283HXX69C-12D	SPST-NO (DM)	12 VDC	120 Ω
A283HXX69C-24D	SPST-NO (DM)	24 VDC	472 Ω
A283HXX69C-48D	SPST-NO (DM)	48 VDC	1800 Ω
A283HXX69C-110D	SPST-NO (DM)	110 VDC	10,000 Ω

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