PLUG-IN & FLANGE MOUNT RELAY

SPDT, DPDT & 3PDT, 15 AMPS

c UL us
UL Recognized
File No. E13224

168986

LISTED 367G
IND. CONT. EQ.
C UL US
WHEN USED
WITH SOCKETS
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

UL CONTACT LOAD RATINGS TABLE

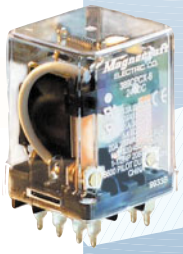
POLES	CURRENT OR HORSE POWER	LOAD VOLTAGE	LOAD VOLTAGE FREQUENCY	TYPE OF LOAD
1 POLE THRU 3 POLES	15 AMP	120/240 VAC	50/60 Hz	RESISTIVE
	10AMP	28 VDC	DC	RESISTIVE
	1/3 HP	120 VAC	50/60 Hz	MOTOR
	1/2 HP	240 VAC	50/60 Hz	MOTOR



PLUG-IN

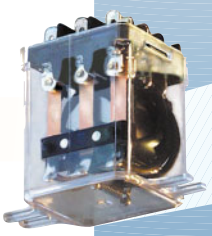


FLANGE MOUNT



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

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

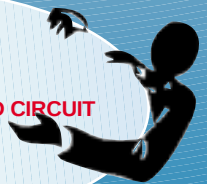
LIFE EXPECTANCY

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.

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

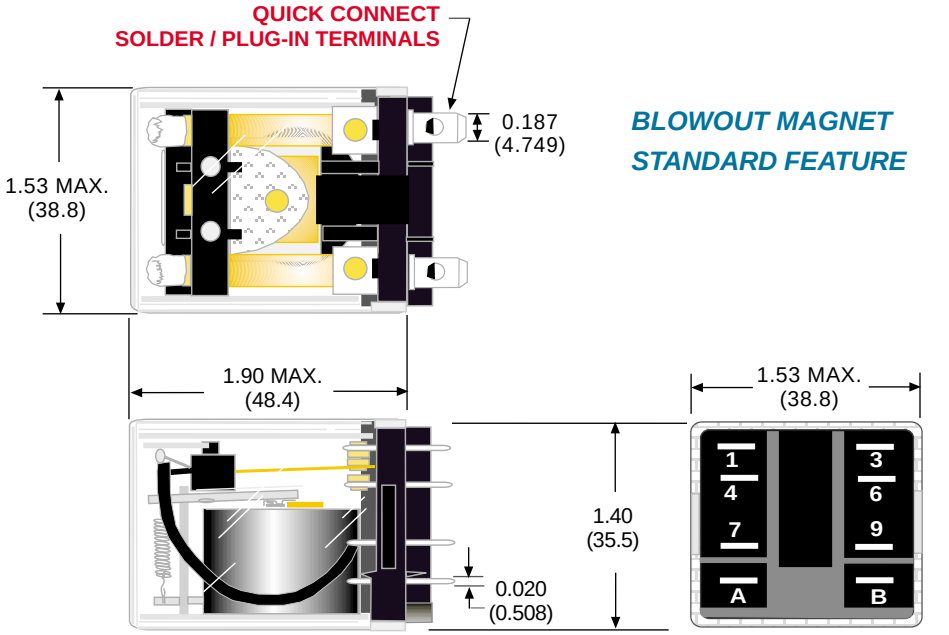


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PLUG-IN RELAY FOR DC SWITCHING

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

OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

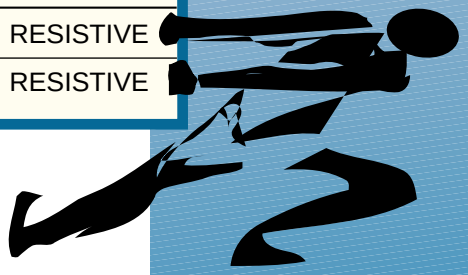


BLOWOUT MAGNET
STANDARD FEATURE



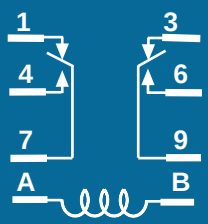
UL CONTACT LOAD RATINGS TABLE FOR DC SWITCHING

POLES	CURRENT OR HORSE POWER	LOAD VOLTAGE	TYPE OF LOAD
2 POLES	3 AMP	150 VDC	RESISTIVE
1 POLE (DM)	10 AMP	150 VDC	RESISTIVE



THE CLASS 388B/388DB STYLES HAVE THE SAME LOAD SPECIFICATIONS AS THE 388/A283 ENCLOSED PLUG-IN STYLE RELAYS PLUS THE ADDITIONAL LOAD RATINGS CHARTED IN TABLE ABOVE SEE 388/A283 GENERAL SPECIFICATIONS.

WIRING DIAGRAMS
(VIEWED FROM PIN END)



DPDT



SPST-NO-DM

STANDARD PART NUMBERS		CONTACT CONFIGURATION	COIL MEASURED @ 25˚C NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
A283	W388B			
AC OPERATED WITH BLOWOUT MAGNET, 3 AMP				
A283XBX69C-120A	W388ABCPX-5	DPDT	120 VAC, 50/60 Hz	2250 Ω
DC OPERATED WITH BLOWOUT MAGNET, 3 AMP				
A283XBX69C-12D	W388BCPX-2	DPDT	12 VDC	120 Ω
A283XBX69C-24D	W388BCPX-3	DPDT	24 VDC	472 Ω
A283XBX69C-110D	W388BCPX-5	DPDT	110 VDC	10,000 Ω
AC OPERATED WITH BLOWOUT MAGNET, 10 AMP				
A283HXX69C-120A	W388ADBCPX-5	SPST-NO (DM)	120 VAC, 50/60 Hz	2250 Ω
DC OPERATED WITH BLOWOUT MAGNET, 10 AMP				
A283HXX69C-12D	W388DBCPX-2	SPST-NO (DM)	12 VDC	120 Ω
A283HXX69C-24D	W388DBCPX-3	SPST-NO (DM)	24 VDC	472 Ω
A283HXX69C-110D	W388DBCPX-5	SPST-NO (DM)	110 VDC	10,000 Ω

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