



UL Recognized
File No. E43641

Recognized Component
mark for Canada and the
United States.



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

FEATURES

**11 PIN BLADE TERMINAL
SQUARE BASE:**

**CONSERVATIVE 10 AMP
CONTACT RATING:**

**3 AMP 600 VAC
CONTACT RATING:**

BENEFITS

**ACCEPTS STANDARD 0.187" QUICK CONNECT
TERMINALS AS WELL AS EXISTING
READILY AVAILABLE SOCKETS**

**WILL TOLERATE SIGNIFICANT ACCIDENTAL
OVERLOADS WITHOUT PREMATURE FAILURE**

**ACCOMMODATES NEARLY ALL
CONTROL CIRCUIT VOLTAGES**

GENERAL SPECIFICATIONS (@ 25°C)

	UNITS	
COIL		
Pull-in Voltage AC (50/60 Hz):≤	% of nominal	85
Pull-in Voltage DC:≤	% of nominal	80
Dropout Voltage AC (50/60 Hz):≥	% of nominal	Not applicable
Dropout Voltage DC:≥	% of nominal	Not applicable
Maximum Voltage:	% of nominal	500
Resistance Tolerance:	% ±	10
Coil Power AC (50/60 Hz):	VA	2.1
Coil Power DC:	W	1.9
Insulation System Per UL Standard 1446:		Class B (130°C)
Duty:		Single coil Continuous Dual coil intermittent
CONTACTS		
Contact Material:		Silver alloy, gold flashed
Contact Rating AC Amperes (AC1):	A	10
Contact Rating AC Voltage:	V	240
Contact Rating DC Amperes (DC1):	A	10
Contact Rating DC Voltage:	V	28
Horse Power (AC):	HP	1/3 @ 120 V
Horse Power (AC):	HP	1/2 @ 240 V
Pilot Duty (60 Hz):		Not applicable
Minimum Recommended Load:	ma	100 @ 5 VDC or 0.5 W
TIMING		
Operate Time:	ms	30
Release Time:	ms	30
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	2500
Across Open Contacts:	V rms	1500
Pole to Pole:	V rms	2500
Contacts to Frame:	V rms	Not applicable
Insulation Resistance:	megohms minimum @VDC	1000 @ 500
TEMPERATURE		
Operating, AC Lower:	°C	-40
Operating, AC Upper:	°C	+70
Operating, DC Lower:	°C	-40
Operating, DC Upper:	°C	+75
Storage, Lower:	°C	-45
Storage, Upper:	°C	+105
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	10,000,000
MISCELLANEOUS		
Operating Position:		Any
Insulation Material:		Molded plastic Clear Polycarbonate
Enclosure Material:		
Cover Protection Category:	IP	40
Weight:	grams	87

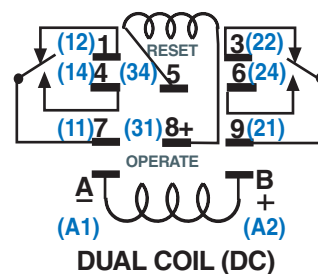
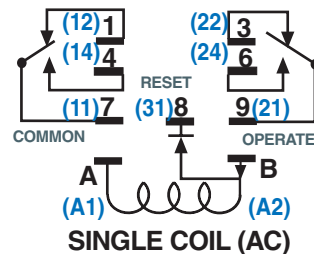
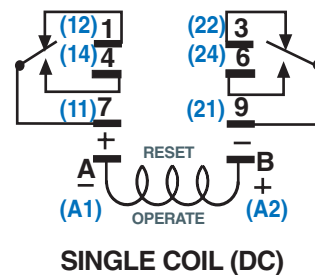
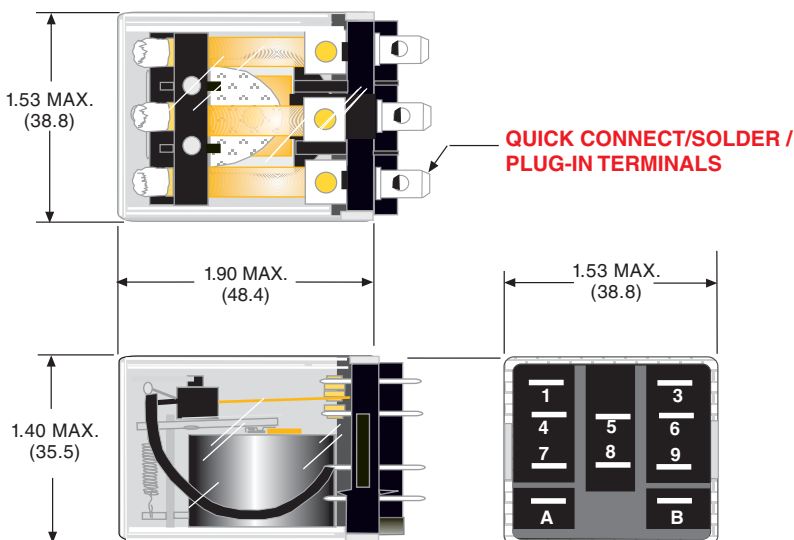
**MAGNETIC LATCHING RELAY
WITH SQUARE BASE.
OPERATES BY PULSED INPUT.
PERMANENT MAGNET MAINTAINS
LAST POSITION.**



DPDT, 10 AMPS

WIRING DIAGRAM (VIEWED FROM PIN END)

OUTLINE DIMENSIONS DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



ALTERNATE NEMA
OR IEC () NUMBERS
VIEWED FROM
PIN SIDE

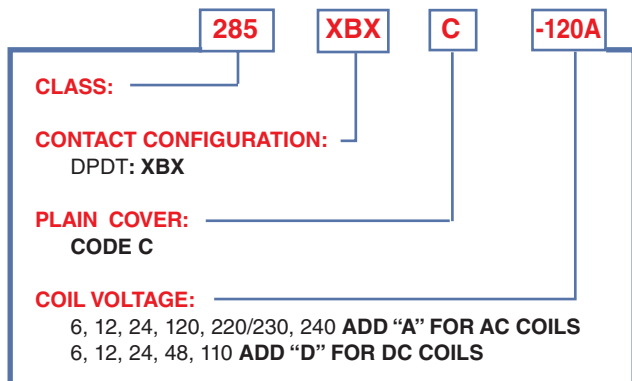


Mating Sockets

70-463-1: SCREW/DIN, 70-124-1: SOLDER
70-178-1, 70-178-2: PRINTED CIRCUIT
70-124-2: QUICK CONNECT

See section 7

ORDERING CODE



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