

UL CONTACT LOAD RATINGS TABLE FOR 388J

CONTACT CONFIGURATION	CURRENT OR HORSE POWER	LOAD VOLTAGE	LOAD VOLTAGE FREQUENCY	TYPE OF LOAD
DPDT	20 AMP	300 VAC	50/60 Hz	RESISTIVE
	20 AMP	28 VDC	DC	RESISTIVE
3PDT	16 AMP	277 VAC	50/60 Hz	RESISTIVE
	16 AMP	28 VDC	DC	RESISTIVE
2 & 3 POLES	3/4 HP	120 VAC	50/60 Hz	MOTOR
	1 HP	208 - 600 VAC	50/60 Hz	MOTOR

UL
UL Recognized
File No. E43641



168986 for 388J
41729 for 388V



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



LISTED 367G
IND. CONT. EQ.

WHEN USED WITH
SOCKETS 70-463-1

CURRENT LIMITED
TO RATING OF
RELAY OR SOCKET
WHICHEVER IS LESS

MANUFACTURED
UNDER
ISO 9002
& QS 9000

UL CONTACT LOAD RATINGS TABLE FOR 388V

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

PLUG-IN

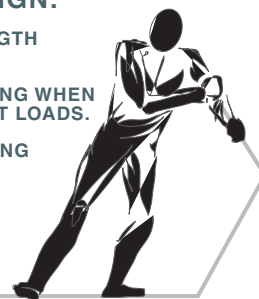
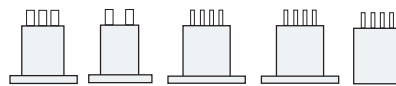
FLANGE MOUNT

OPTIONAL DIN MOUNT COVER



BENEFITS OF 3mm CONTACT GAP DESIGN:

1. HIGH DIELECTRIC STRENGTH ACROSS CONTACTS.
2. IMPROVED ARC QUENCHING WHEN BREAKING HIGH CURRENT LOADS.
3. MEETS EUROPEAN SPACING REQUIREMENTS OF 8mm ACROSS SURFACES



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	10
Dropout Voltage DC:≥	% of nominal	10
Maximum Voltage:	% of nominal	110
Resistance:	% ±	10
Coil Power AC (60 Hz):	VA	J: 2.75, V: 4
Coil Power DC:	W	2
Insulation System Per UL Standard 1446:		Class B (130 C)
Duty:		Continuous
CONTACTS		
Contact Material:		Silver alloy gold flashed
Contact Rating AC Amperes (AC1):	A	J: 2 Pole-20, 3 Pole-16 V: 15
Contact Rating AC Voltage:	V	240
Contact Rating DC Amperes (DC1):	A	J: 20, V: 15
Contact Rating DC Voltage:	V	28
Horse Power (AC):	HP	J: 3/4 @ 120 V V: 1/3 @ 120 V
Horse Power (AC):	HP	J: 1 @ 240 V V: 1/2 @ 240 V
Minimum Recommended Load:	ma	100 @ 5 VDC or 0.5 W

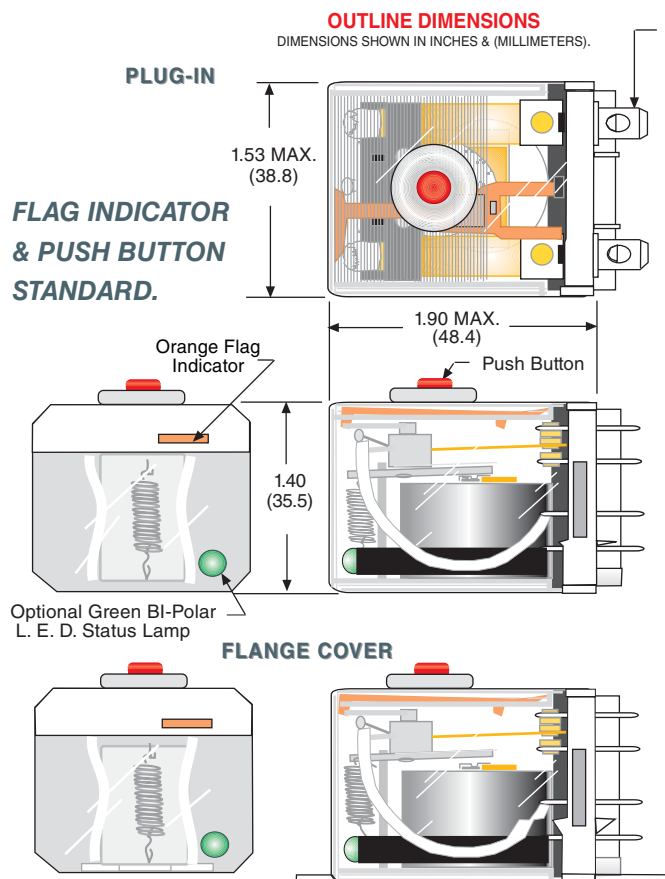
	UNITS	
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	J: 2000, V: 4000
Across Open Contacts:	V rms	J: 500, V: 1000
Pole to Pole:	V rms	2000
Contacts to Frame:	V rms	Not applicable
Insulation Resistance:	megohms minimum @ VDC	1000 @ 500
TEMPERATURE		
Operating, AC Lower:	°C	-30
Operating, AC Upper:	°C	+65
Operating, DC Lower:	°C	-30
Operating, DC Upper:	°C	+50
Storage, Lower:	°C	-30
Storage, Upper:	°C	+100
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	5,000,000
MISCELLANEOUS		
Operating Position:		Any
Insulation Material:	94V-0	Molded plastic
Enclosure Material:	94V-0	Polycarbonate
Cover Protection Category:	IP	40
Terminals:	Inch (mm)	0.187x 0.020 (4.74 x 0.508)
Weight:	grams	88

388J HIGH CURRENT PLUG-IN & FLANGE MOUNT RELAYS

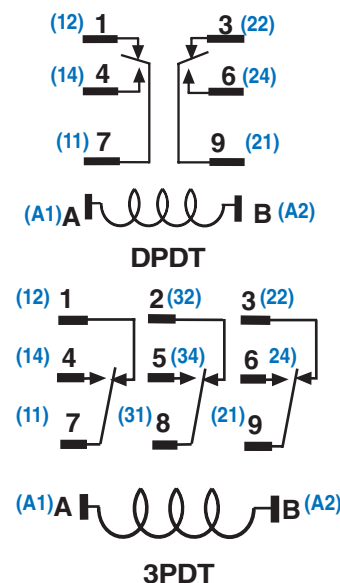
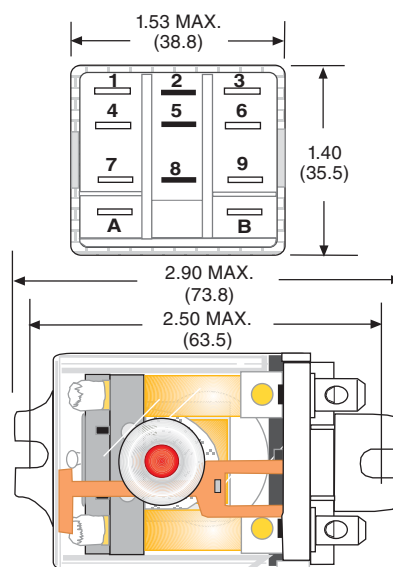


DPDT 20 AMPS & 3PDT 16 AMPS

WIRING DIAGRAM (VIEWED FROM PIN END)



QUICK CONNECT SOLDER / PLUG-IN TERMINALS



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

70-788EL/SL-1, 70-124-2: QUICK CONNECT

See section 7

ORDERING CODE

388J **XCX** **C1** **M-** **240A**

CLASS:
FLAG INDICATOR
STANDARD FEATURE

CONTACT CONFIGURATION:
DPDT: **XBX**, 3PDT: **XCX**

OPTIONAL:
MAGNETIC BLOWOUT: **CODE 69 (XBX ONLY)**

CONSTRUCTION STYLE:
* ENCLOSED, PLAIN COVER: **CODE C**
ENCLOSED, FLANGE COVER: **CODE C1**
ENCLOSED TOP FLANGE MOUNT: **CODE C3**
ENCLOSED DIN MOUNT: **CODE C4**

TERMINAL STYLE:
QUICK CONNECT SOLDER TERMINALS: **NO CODE**
PRINTED CIRCUIT TERMINALS: **CODE T**

OPTIONS:
BI - POLAR L.E.D. STATUS LAMP: **CODE L**
PUSH BUTTON: **CODE M**

COIL VOLTAGE:
6, 12, 24, 120, 240 **ADD "A" FOR AC COILS**
6, 12, 24, 48, 110 **ADD "D" FOR DC COILS**

* Note: Code C recommended to be used with printed circuit terminals or Plug-in applications only.

STANDARD PART NUMBERS	CONTACT CONFIGU- RATION	COIL MEASURED @ 25 °C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED FLANGE MOUNT WITH PUSH BUTTON, 20 AMP			
388JXBXC1M-240A	DPDT	220/240 VAC,50/60Hz	9100 Ω
388JXBXC1M-120A	DPDT	110/120 VAC,50/60Hz	2250 Ω
DC OPERATED FLANGE MOUNT WITH PUSH BUTTON, 20 AMP			
388JXBXC1M-12D	DPDT	12 VDC	120 Ω
388JXBXC1M-24D	DPDT	24 VDC	470 Ω
AC OPERATED PLUG-IN WITH PUSH BUTTON, 20 AMP			
388JXBXC1M-240A	DPDT	220/240 VAC,50/60Hz	9100 Ω
388JXBXC1M-120A	DPDT	110/120 VAC,50/60Hz	2250 Ω
DC OPERATED PLUG-IN WITH PUSH BUTTON, 20 AMP			
388JXBXC1M-12D	DPDT	12 VDC	120 Ω
388JXBXC1M-24D	DPDT	24 VDC	470 Ω
AC OPERATED FLANGE MOUNT WITH PUSH BUTTON, 16 AMP			
388JXCXC1M-240A	3PDT	220/240 VAC,50/60Hz	7200 Ω
388JXCXC1M-120A	3PDT	110/120 VAC,50/60Hz	1700 Ω
DC OPERATED FLANGE MOUNT WITH PUSH BUTTON, 16 AMP			
388JXCXC1M-12D	3PDT	12 VDC	120 Ω
388JXCXC1M-24D	3PDT	24 VDC	470 Ω
AC OPERATED PLUG-IN WITH PUSH BUTTON, 16 AMP			
388JXCXC1M-240A	3PDT	220/240 VAC,50/60Hz	7200 Ω
388JXCXC1M-120A	3PDT	110/120 VAC,50/60Hz	1700 Ω
DC OPERATED PLUG-IN WITH PUSH BUTTON, 16 AMP			
388JXCXC1M-12D	3PDT	12 VDC	120 Ω
388JXCXC1M-24D	3PDT	24 VDC	470 Ω

RETROFITS SCHRACK RM. SEE END OF SECTION 1 FOR CROSS REFERENCE
CADMIUM-FREE CONTACTS AVAILABLE, CONTACT FACTORY FOR DETAILS

9/04