

**DPDT & 3PDT, 16 & 20 AMPS**

## UL CONTACT LOAD RATINGS TABLE

POLES	CURRENT OR HORSE POWER	LOAD VOLTAGE	LOAD VOLTAGE FREQUENCY	TYPE OF LOAD
2 POLES	20 AMP	300 VAC	50/60 Hz	RESISTIVE
	20 AMP	28 VDC	DC	RESISTIVE
3 POLES	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

**UP TO 20 AMP SWITCHING**



COMPLIES WITH REQUIREMENTS OF

WHEN USED WITH SOCKETS 70-463-1

\* 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
- 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 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

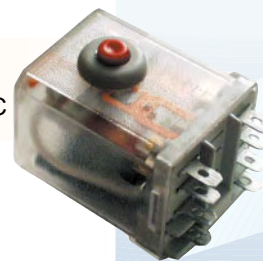
- Operating: -30°C to +50°C (AC), -30°C to +65°C (DC)
- Storage: -30°C to 100°C

### 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 0.20 plug-Optional printed circuit terminals available
- Weight: 94 grams approx.



PLUG-IN



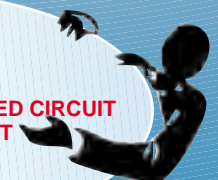
FLANGE MOUNT



OPTIONAL DIN COVER

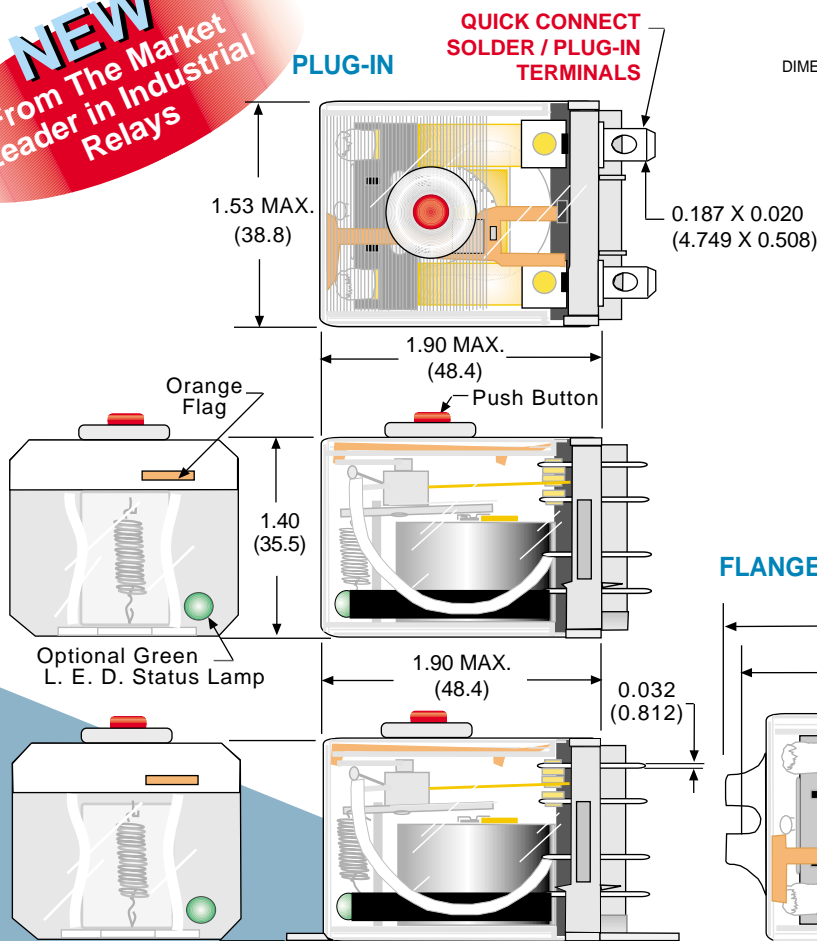
DIN MOUNT COVER

**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

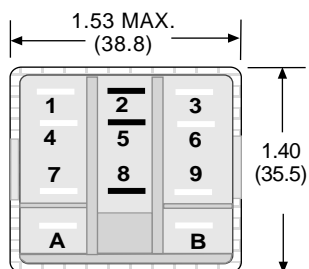


**DPDT & 3PDT, 16 & 20 AMPS**

**NEW**  
From The Market  
Leader in Industrial  
Relays

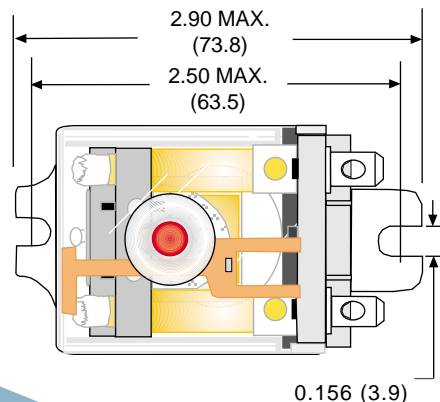


**OUTLINE DIMENSIONS**  
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

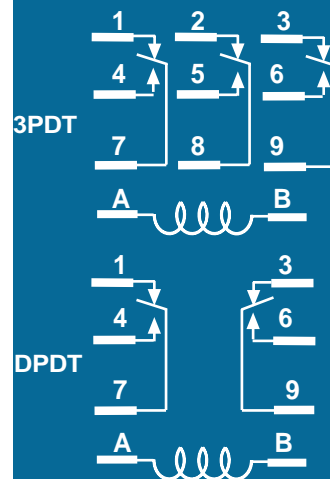


**FLAG INDICATOR & PUSH BUTTON STANDARD ON 388J RELAYS.**

**FLANGE COVER**



**WIRING DIAGRAMS**  
(VIEWED FROM PIN END)



**ORDERING CODE FOR RELAYS**

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

**CLASS:** FLAG INDICATOR STANDARD FEATURE

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

**CONSTRUCTION STYLE:**

- \* ENCLOSED, PLAIN COVER: **CODE C**
- ENCLOSED, FLANGE COVER: **CODE C1**
- ENCLOSED, 6-32 TAPPED CORE & ANTI-ROTATION TAB: **CODE C2**
- ENCLOSED 6-32 STUD & ANTI-ROTATION TAB: **CODE CS2**
- 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:**

- L.E.D. STATUS LAMP: **CODE L**
- PUSH BUTTON: **CODE M**
- MAGNETIC BLOWOUT: **CODE 69**
- DC COIL SUPPRESSION: **CODE V**
- AC COIL SUPPRESSION: **CODE V1**
- RECTIFIED COIL: **CODE V2**

**COIL VOLTAGE:**

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

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

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