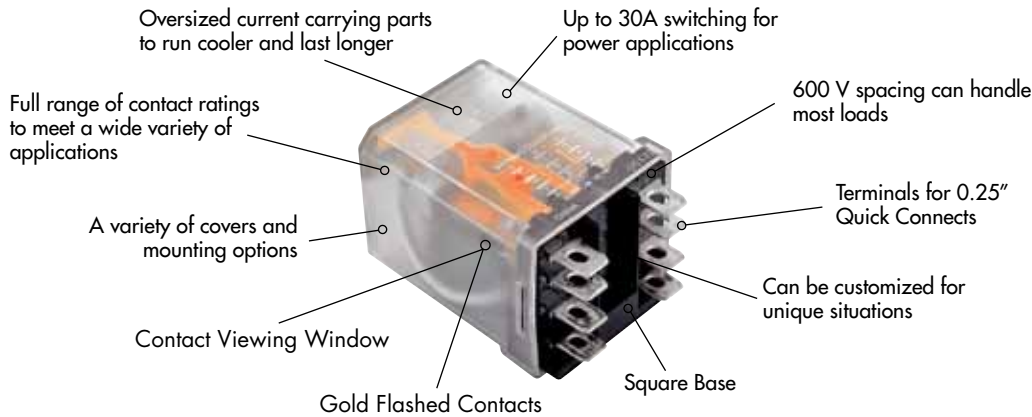


## 389F Power Relays/One, Two or Three Pole 20-30 Amp Rating (DC and AC)



### General Specifications - (UL 508)

| Contact Characteristics       | 389FHXX, XHX            | 389FXAX, BXX, XBX                                | 389FCXX, XCX                                       |
|-------------------------------|-------------------------|--------------------------------------------------|----------------------------------------------------|
| Number and type of contacts   | SPST-NO-DM, SPDT-DM-DB  | SPST, SPDT, DPST, DPDT                           | 3PST, 3PDT                                         |
| Contact materials             | Silver Alloy            | Silver Alloy                                     | Silver Alloy                                       |
| Thermal (carrying) current    | 30 A                    | 25 A                                             | 20 A                                               |
| Maximum switching voltage     | 600 V                   | 600 V                                            | 300 V                                              |
| Switching current @ voltage   | Resistive               | 30 A @ 300 VAC 50/60Hz<br>30 A @ 28 VDC          | 20 A @ 150 VAC 50/60Hz<br>13 A @ 28 VDC            |
|                               | Ballast                 | 25 A @ 277 VAC 50/60Hz                           | 20 A @ 150 VAC 50/60Hz<br>6.67 A @ 277 VAC 50/60Hz |
|                               | HP                      | 1.5 @ 200-300 V 50/60Hz<br>1 @ 120-199 V 50/60Hz | 0.5 @ 208-240 V 50/60Hz<br>0.5 @ 120 V 50/60Hz     |
|                               | Pilot Duty              | A600                                             | B300                                               |
| Minimum switching requirement | 100 mA @ 5 VDC or 0.5 W | 100 mA @ 5 VDC or 0.5 W                          | 100 mA @ 5 VDC or 0.5 W                            |

### Coil Characteristics

|                                |                                  |                                  |                                  |
|--------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Voltage range                  | 12 to 240 VAC<br>12 to 110 VDC   | 12 to 240 VAC<br>12 to 110 VDC   | 12 to 240 VAC<br>12 to 110 VDC   |
| Operating range (% of nominal) | 85% to 110% AC<br>80% to 110% DC | 85% to 110% AC<br>80% to 110% DC | 85% to 110% AC<br>80% to 110% DC |
| Average consumption            | 3.5 VA<br>1.44 W                 | 3.5 VA<br>1.44 W                 | 3.5 VA<br>1.44 W                 |
| Drop-out voltage threshold     | 10% AC/DC                        | 10% AC/DC                        | 10% AC/DC                        |

### Performance Characteristics

|                                              |                          |                      |                      |
|----------------------------------------------|--------------------------|----------------------|----------------------|
| Electrical life (operations @ rated current) | 100,000 operations       | 100,000 operations   | 100,000 operations   |
| Mechanical life (unpowered)                  | 5,000,000 operations     | 5,000,000 operations | 5,000,000 operations |
| Operating time (response time)               | 20 ms                    | 20 ms                | 20 ms                |
| Dielectric strength                          | Between coil and contact | 2000 VAC             | 2000 VAC             |
|                                              | Between poles            | 2000 VAC             | 2000 VAC             |
|                                              | Between contacts         | 500 VAC              | 500 VAC              |

### Environment

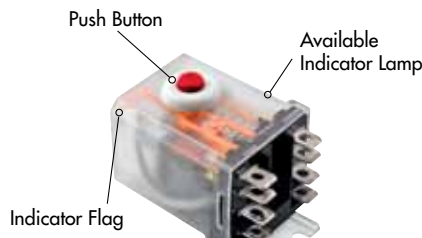
|                                           |                  |              |              |              |
|-------------------------------------------|------------------|--------------|--------------|--------------|
| Product certifications                    | Standard version | UL, CE, CSA  | UL, CE, CSA  | UL, CE, CSA  |
| Ambient air temperature around the device | Storage          | -40 to 85 °C | -40 to 85 °C | -40 to 85 °C |
|                                           | Operation        | -40 to 55 °C | -40 to 55 °C | -40 to 55 °C |
| Weight                                    |                  | 88 g         | 88 g         | 88 g         |

### Part Number Builder

| 389F                                               | XBX                                                                                                              | C1M                                                                                                                                                                                                                                    | -120         | A                |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|
| Series                                             | Configuration                                                                                                    | Options**                                                                                                                                                                                                                              | Voltage      | Current Type     |
| 389F = Standard model equipped with flag indicator | XAX = SPDT<br>BXX = DPST-NO<br>XBX = DPDT<br>CXX = 3PST-NO<br>XCX = 3PDT<br>HXX = SPST-NO-DM<br>XHX = SPDT-DM-DB | B = Mounting base<br>C = Plastic dust cover - socket mountable<br>C1 = Side flange mount cover<br>C3 = Top flange cover<br>L = Indicator lamp across coil<br>M = Manual operator button on case<br>T = Printed circuit board terminals | Coil Voltage | A = AC<br>D = DC |

Note - Not all iterations of option codes are available and some standard parts may use different nomenclature than outlined in part number builder.

\*\*Multiple codes may be used.



Side Flange Cover  
Option C1



Plain Cover  
Option C



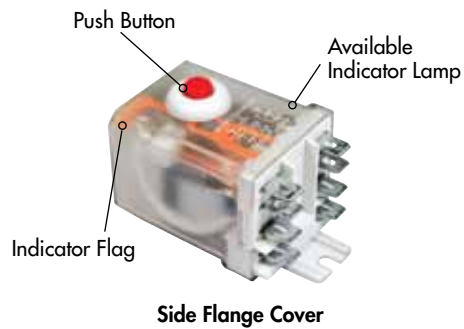
389 Relay with the  
70-788EL11-1 Socket

## Standard Part Numbers

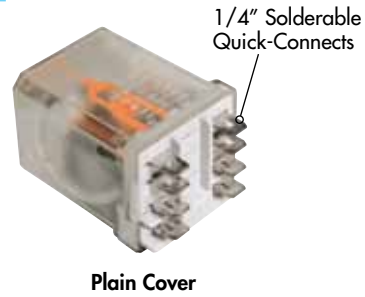
**BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED**

| Nominal Input Voltage                                    | Coil Resistance | Part Number          | Contact Configuration |
|----------------------------------------------------------|-----------------|----------------------|-----------------------|
| <b>25 Amp, AC Operated Flange Mount with Push Button</b> |                 |                      |                       |
| 220/240 VAC, 50/60 Hz                                    | 7200 $\Omega$   | 389FXBXC1M-240A      | DPDT                  |
| 110/120 VAC, 50/60 Hz                                    | 1700 $\Omega$   | 389FXBXC1M-120A      | DPDT                  |
| <b>20 Amp, AC Operated Flange Mount with Push Button</b> |                 |                      |                       |
| 220/240 VAC, 50/60 Hz                                    | 4600 $\Omega$   | 389FXCXC1M-240A      | 3PDT                  |
| 110/120 VAC, 50/60 Hz                                    | 1200 $\Omega$   | 389FXCXC1M-120A      | 3PDT                  |
| <b>25 Amp, DC Operated Flange Mount with Push Button</b> |                 |                      |                       |
| 12 VDC                                                   | 100 $\Omega$    | 389FXBXC1M-12D       | DPDT                  |
| 24 VDC                                                   | 400 $\Omega$    | 389FXBXC1M-24D       | DPDT                  |
| <b>20 Amp, DC Operated Flange Mount with Push Button</b> |                 |                      |                       |
| 12 VDC                                                   | 100 $\Omega$    | 389FXCXC1M-12D       | 3PDT                  |
| 24 VDC                                                   | 400 $\Omega$    | 389FXCXC1M-24D       | 3PDT                  |
| <b>30 Amp, AC Operated Flange Mount</b>                  |                 |                      |                       |
| 110/120 VAC 50/60 Hz                                     | 1100 $\Omega$   | 389FHXXC1-120A       | SPST-NO-DM            |
| 220/240 VAC 50/60 Hz                                     | 4300 $\Omega$   | 389FHXXC1-240A       | SPST-NO-DM            |
| 24 VAC 50/60 Hz                                          | 44 $\Omega$     | 389FXHXC1-24A        | SPDT-DM-DB            |
| 110/120 VAC 50/60 Hz                                     | 1100 $\Omega$   | 389FXHXC1-120A       | SPDT-DM-DB            |
| <b>30 Amp, DC Operated Flange Mount</b>                  |                 |                      |                       |
| 12 VDC                                                   | 100 $\Omega$    | 389FHXXC1-12D        | SPST-NO-DM            |
| 24 VDC                                                   | 400 $\Omega$    | 389FHXXC1-24D        | SPST-NO-DM            |
| 12 VDC                                                   | 100 $\Omega$    | 389FXHXC1-12D        | SPDT-DM-DB            |
| 24 VDC                                                   | 400 $\Omega$    | 389FXHXC1-24D        | SPDT-DM-DB            |
| <b>25 Amp, AC Operated Flange Mount</b>                  |                 |                      |                       |
| 110/120 VAC 50/60 Hz                                     | 1700 $\Omega$   | 389FXAXC1-120A       | SPDT                  |
| 24 VAC 50/60 Hz                                          | 72 $\Omega$     | 389FXBXC1-24A        | DPDT                  |
| 110/120 VAC 50/60 Hz                                     | 1700 $\Omega$   | 389FXBXC1-120A       | DPDT                  |
| 220/240 VAC 50/60 Hz                                     | 7200 $\Omega$   | 389FXBXC1-240A       | DPDT                  |
| <b>20 Amp, AC Operated Flange Mount</b>                  |                 |                      |                       |
| 110/120 VAC 50/60 Hz                                     | 1200 $\Omega$   | 389FXCXC1-120A       | 3PDT                  |
| 220/240 VAC 50/60 Hz                                     | 4600 $\Omega$   | 389FXCXC1-240A       | 3PDT                  |
| <b>25 Amp, DC Operated Flange Mount</b>                  |                 |                      |                       |
| 12 VDC                                                   | 100 $\Omega$    | 389FXAXC1-12D        | SPDT                  |
| 24 VDC                                                   | 400 $\Omega$    | 389FXAXC1-24D        | SPDT                  |
| 12 VDC                                                   | 100 $\Omega$    | 389FXBXC1-12D        | DPDT                  |
| 24 VDC                                                   | 400 $\Omega$    | 389FXBXC1-24D        | DPDT                  |
| <b>20 Amp, DC Operated Flange Mount</b>                  |                 |                      |                       |
| 12 VDC                                                   | 100 $\Omega$    | 389FXCXC1-12D        | DPDT                  |
| 24 VDC                                                   | 400 $\Omega$    | 389FXCXC1-24D        | DPDT                  |
| <b>25 Amp, AC Operated Socket Compatible</b>             |                 |                      |                       |
| 220 / 240 VAC 50/60 Hz                                   | 7200 $\Omega$   | <b>389FXBXC-240A</b> | DPDT                  |
| 110 / 120 VAC 50/60 Hz                                   | 1700 $\Omega$   | <b>389FXBXC-120A</b> | DPDT                  |
| 24 VAC 50/60 Hz                                          | 72 $\Omega$     | <b>389FXBXC-24A</b>  | DPDT                  |
| <b>25 Amp, DC Operated Socket Compatible</b>             |                 |                      |                       |
| 110/125 VDC                                              | 8000 $\Omega$   | 389FXBXC-110/125D    | DPDT                  |
| 24 VDC                                                   | 400 $\Omega$    | <b>389FXBXC-24D</b>  | DPDT                  |
| <b>20 Amp, AC Operated Socket Compatible</b>             |                 |                      |                       |
| 220/240 VAC 50/60 Hz                                     | 4600 $\Omega$   | 389FXCXC-240A        | DPDT                  |
| 110/120 VAC 50/60 Hz                                     | 1200 $\Omega$   | <b>389FXCXC-120A</b> | DPDT                  |
| 24 VAC 50/60 Hz                                          | 46 $\Omega$     | <b>389FXCXC-24A</b>  | DPDT                  |
| <b>20 Amp, DC Operated Socket Compatible</b>             |                 |                      |                       |
| 110/125 VDC                                              | 8000 $\Omega$   | 389FXCXC-110/125D    | DPDT                  |
| 24 VDC                                                   | 400 $\Omega$    | <b>389FXCXC-24D</b>  | DPDT                  |

## 389F Power Relays/One, Two or Three Pole 20-30 Amp Rating (DC and AC) *continued*

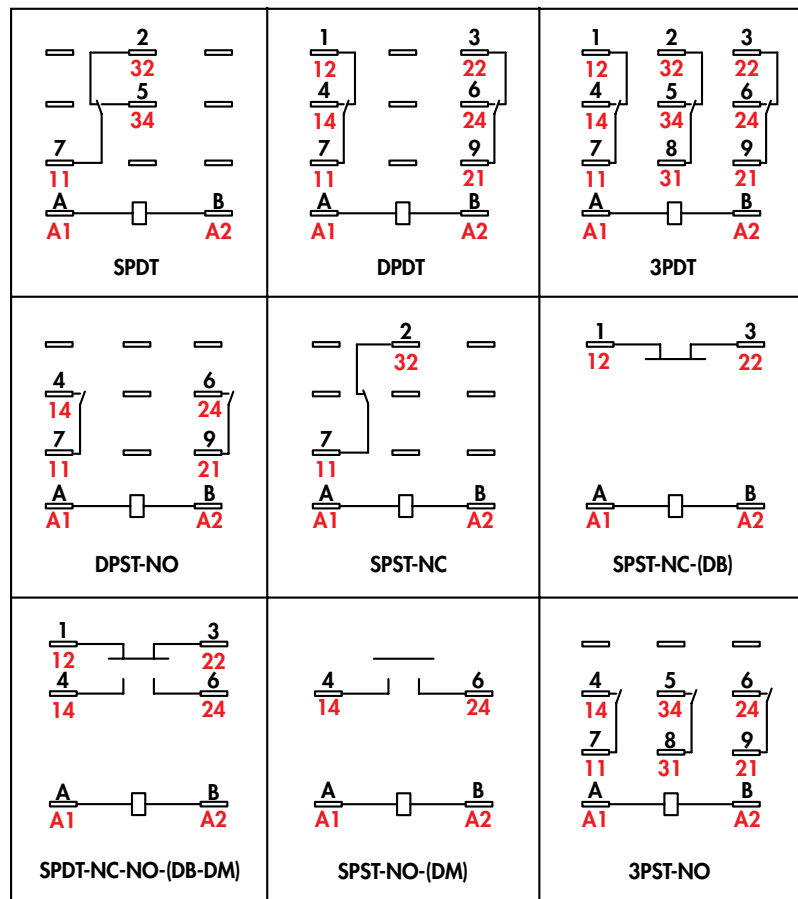


**NEW!**



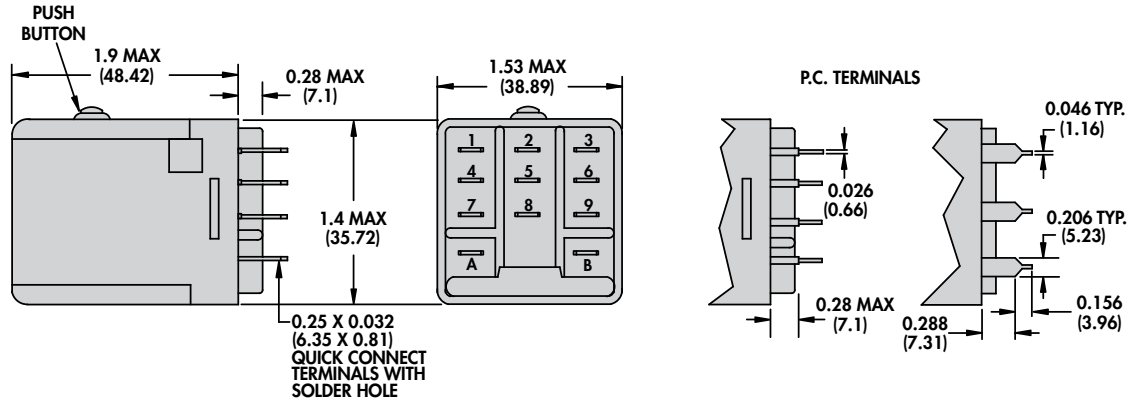
### WIRING DIAGRAMS BOTTOM VIEW

NEMA  
IEC



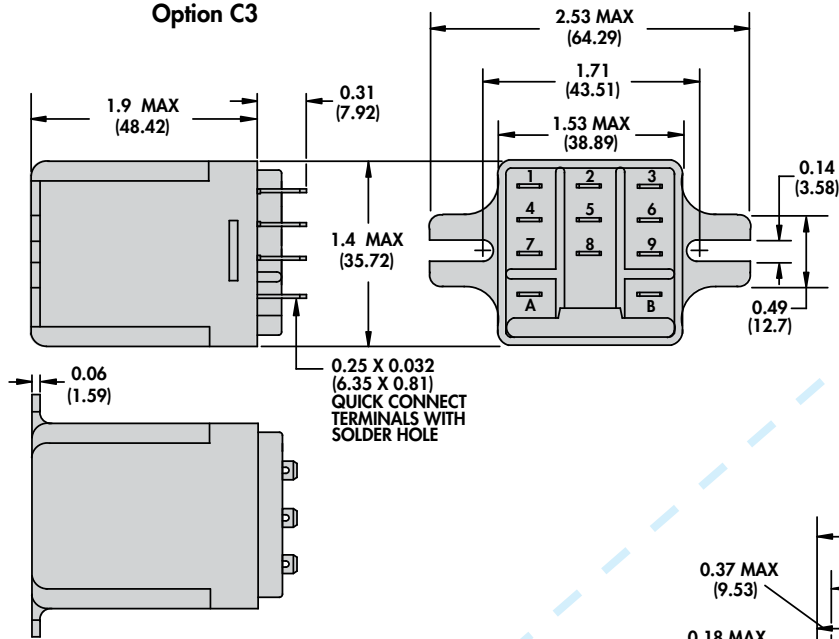
### PLAIN/PUSH BUTTON COVER STYLE

#### Option C



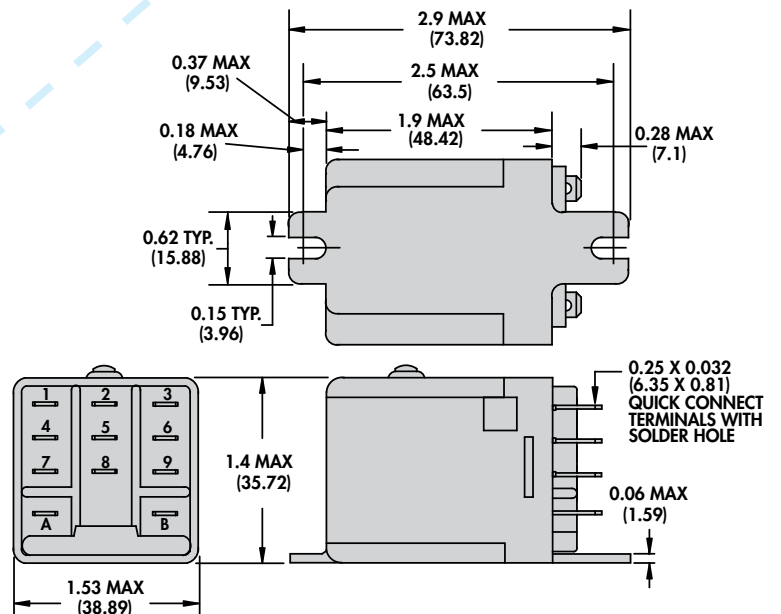
### TOP FLANGE COVER STYLE

#### Option C3



### SIDE FLANGE COVER STYLE

#### Option C1



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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