



## Struthers-Dunn

407 East Smith Street, Suite B

Timmonsville, SC 29161

Telephone: (843)346-4427

Fax: (843)346-4465

Email: [info@struthers-dunn.com](mailto:info@struthers-dunn.com)

Website: [www.struthers-dunn.com](http://www.struthers-dunn.com)

# Item # 292XAXC-5.0MA/DC, 292 Series - Low Coil Power Sensitive Relays - Square Base

The 292 series is a square base, bladed version of DC sensitive relay. Single pole versions operate on as little as 125mW and are capable of switching 5 amps. Power requirements increase by 125mW per pole up to 3 poles. Operating current can be as low as 11.1mA. The 292 series can withstand wide voltage ranges of up to almost 4X minimum voltage without overheating. The package on this series is typically socket mounted. It can also be panel mounted allowing direct connections to terminals with quick-connects or soldering.

Additional contact configurations and coil options are available – please use the RFQ/RFI tab above to submit your request.



[Specifications](#) | [Contacts](#) | [Coil](#) | [Timing](#) | [Dielectric Strength](#) | [Temperature](#) | [Life Expectancy](#) | [Miscellaneous](#)

## Specifications

|        |     |
|--------|-----|
| Series | 292 |
|--------|-----|

|                            |                         |
|----------------------------|-------------------------|
| <b>Contact Arrangement</b> | XAX (SPDT) - (1 form C) |
| <b>Construction</b>        | Enclosed plug-in        |
| <b>Coil Current</b>        | 5.0 MA/DC               |

## Contacts

|  |                           |
|--|---------------------------|
| <b>Contact Configuration</b>                 | Up to 3PDT                |
| <b>Contact Material</b>                      | Silver                    |
| <b>Contact Rating</b>                        | 5 A                       |
| <b>Contact Rating 120 / 240VAC Resistive</b> | 5 A                       |
| <b>Contact Rating 28VDC Resistive</b>        | 5 A                       |
| <b>Contact Resistance, Initial</b>           | 100 milliohms max at 6VDC |

## Coil

|                                       |            |
|---------------------------------------|------------|
| <b>Coils Available</b>                | AC and DC  |
| <b>Minimum Coil Power-Single Pole</b> | 125 mW     |
| <b>Minimum Coil Power-Double Pole</b> | 250 mW     |
| <b>Minimum Coil Power-3 Pole</b>      | 375 mW     |
| <b>Duty</b>                           | Continuous |

## Timing

|                           |       |
|---------------------------|-------|
| <b>Operate Time (max)</b> | 20 ms |
| <b>Release Time (max)</b> | 15 ms |

## Dielectric Strength

|                                  |                           |
|----------------------------------|---------------------------|
| Across Open Contacts             | 500 Vrms                  |
| Between Mutually Insulated Point | 1500 Vrms                 |
| Insulation Resistance            | 1,000 Mohms min at 500VDC |

## Temperature

|           |                                |
|-----------|--------------------------------|
| Operating | -20 to 70 °C<br>-4 to 158 °F   |
| Storage   | -40 to 105 °C<br>-40 to 221 °F |

## Life Expectancy

|                        |            |
|------------------------|------------|
| Electrical (full load) | 100,000    |
| Mechanical (no load)   | 10,000,000 |

## Miscellaneous

|                   |                     |
|-------------------|---------------------|
| Mounting Position | Any                 |
| Mating Socket     | SK-SQB11-DS         |
| Enclosure         | Clear Polycarbonate |
| Weight            | 3.2 oz<br>90 g      |