

# Product data sheet

Specifications



Relay, SE Relays, solid state, SPST, 1A, 3...15 VDC  $U_c$ , printed circuit board mount, screw terminal, inch style

70S2-01-E-01-V

! Discontinued

! Discontinued on: Aug 7, 2023

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

|                          |                        |
|--------------------------|------------------------|
| Range                    | Legacy                 |
| Product Type             | Solid state relay      |
| maximum output current   | 1 A                    |
| Mounting Support         | Printed circuit boards |
| Network Number of Phases | 1 phase                |
| Output Voltage           | 4...200 V DC           |

## Complementary

|                               |                                      |
|-------------------------------|--------------------------------------|
| Input Current Limits          | 2...25 mA at 3...15 V DC typical     |
| Switch Function               | SPST                                 |
| Contacts Type and Composition | NO                                   |
| Protection Type               | Reverse polarity 3 V DC control      |
| Connections Terminals         | solder terminal                      |
| Switching Voltage             | 1 V DC tripping                      |
| Surge Current                 | 5 A 1 s                              |
| Must Release Voltage          | 1 V                                  |
| Voltage Drop                  | <1.75 V on-state                     |
| Thermal Resistance            | 30 °C/W                              |
| Leakage Current               | 10 µA at off-state                   |
| Response Time                 | 75 µs (turn-on)<br>750 µs (turn-off) |
| Dielectric Strength           | 4000 V minimum                       |
| Height                        | 1.02 in (26.0 mm)                    |
| Width                         | 0.37 in (9.42 mm)                    |
| Depth                         | 1.2 in (31.2 mm)                     |
| Product Weight                | 1.2 oz (35 g)                        |

## Environment

|                        |                      |
|------------------------|----------------------|
| Product Certifications | UL Recognized<br>CSA |
|------------------------|----------------------|

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                       |                             |
|---------------------------------------|-----------------------------|
| Ambient Air Temperature for Operation | -40...185 °F (-40...85 °C)  |
| Ambient Air Temperature for Storage   | -40...257 °F (-40...125 °C) |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CP221127  |
| Discount Schedule | 0CP2          |
| GTIN              | 3606481107350 |
| Returnability     | No            |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Nbr. of units in pkg.        | 1                     |
| Package 1 Height             | 1.22 in (3.11 cm)     |
| Package 1 Width              | 1.70 in (4.32 cm)     |
| Package 1 Length             | 0.40 in (1.02 cm)     |
| Package weight(Lbs)          | 0.9 oz (25.0 g)       |
| Unit Type of Package 2       | BB1                   |
| Number of Units in Package 2 | 100                   |
| Package 2 Height             | 3.3 in (8.5 cm)       |
| Package 2 Width              | 4.3 in (11.0 cm)      |
| Package 2 Length             | 8.9 in (22.5 cm)      |
| Package 2 Weight             | 5.64 lb(US) (2.56 kg) |
| Unit Type of Package 3       | CAR                   |
| Number of Units in Package 3 | 1000                  |
| Package 3 Height             | 12.4 in (31.5 cm)     |
| Package 3 Width              | 11.6 in (29.5 cm)     |
| Package 3 Length             | 16.9 in (43.0 cm)     |
| Package 3 Weight             | 58.2 lb(US) (26.4 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained](#) >

[How we assess product sustainability](#) >

### Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

Connections and Schema

Connections and Wiring Diagrams

