

# Product data sheet

Specifications



Relay, SE Relays, solid state, SPST, 12A, 24...280 VAC, 6...30/32 VDC Uc, triac, panel mount, screw terminal

70S2-05-C-12-S

! 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	12 A AC
Mounting Support	Panel mounted
Network Number of Phases	1 phase
Output Voltage	24...280 V AC

## Complementary

Holding Current	50 mA
Input Current Limits	6...10 mA at 6...30 V DC typical
Switch Function	SPST
Contacts Type and Composition	NO
Protection Type	Reverse polarity 3 V DC control
Connections Terminals	screw terminal
Switching Voltage	1 V DC tripping
Switching Device	Triac output Zero voltage switching
Maximum Peak Voltage	600 V
Surge Current	150 A 1 cycle 48 A 60 cycles
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state AC
Thermal Resistance	2.4 °C/W
Leakage Current	6 mA at off-state
DV/dt	300 V/ms off-state at maximum rated voltage
Response Time	8.33 ms (turn-on, turn-off)
Dielectric Strength	300 V between input and output 300 V between output and ground
Height	0.9 in (22.5 mm)
Width	1.03 in (26.2 mm)

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

Depth	1.2 in (31.2 mm)
Product Weight	1.7 oz (47 g)

## Environment

Product Certifications	UL Recognized CSA CE
Ambient Air Temperature for Operation	-40...212 °F (-40...100 °C)
Ambient Air Temperature for Storage	-40...257 °F (-40...125 °C)

## Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480278617
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.1 in (2.8 cm)
Package 1 Width	1.2 in (3.1 cm)
Package 1 Length	2.3 in (5.8 cm)
Package weight(Lbs)	1.6 oz (44.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	100
Package 2 Height	5.7 in (14.5 cm)
Package 2 Width	8.0 in (20.3 cm)
Package 2 Length	10.7 in (27.3 cm)
Package 2 Weight	10.34 lb(US) (4.69 kg)
Unit Type of Package 3	CAR
Number of Units in Package 3	400
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	43.12 lb(US) (19.56 kg)

## Contractual warranty

Warranty (in months)	18
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## 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	<b>WARNING:</b> 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

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