

Product data sheet

Specifications



Relay, SE Relays, solid state,
SPST, 3A, 3...60 VDC, 9...30 VDC
Uc, MOSFET, socket compatible

70S2-02-A-03-K

⚠ Discontinued on: Aug 7, 2023

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

Main

Range	Legacy
Product Type	Solid state relay
maximum output current	3 A DC
Mounting Support	Socket
Network Number of Phases	1 phase
Output Voltage	3...60 V DC

Complementary

Input Current Limits	5...17 mA at 9...30 V DC typical
Switch Function	SPST
Contacts Type and Composition	NO
Protection Type	Reverse polarity 3 V DC control
Connections Terminals	plug in
Switching Voltage	1 V DC tripping
Switching Device	Mosfet output DC switching
Maximum Peak Voltage	105 V
Surge Current	5 A 1 s
Must Release Voltage	2 V
Voltage Drop	<1.2 V on-state DC
Thermal Resistance	25 °C/W
Leakage Current	10 mA at off-state
Response Time	75 µs (turn-on) 500 µs (turn-off)
Dielectric Strength	2500 V between input and output 2500 V between terminals and chassis
Height	0.88 in (22.25 mm)
Depth	1.2 in (31.2 mm)

Environment

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

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	3606480278402
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	1.3 in (3.3 cm)
Package weight(Lbs)	1.2 oz (33.0 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	7.91 lb(US) (3.59 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	33.42 lb(US) (15.16 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

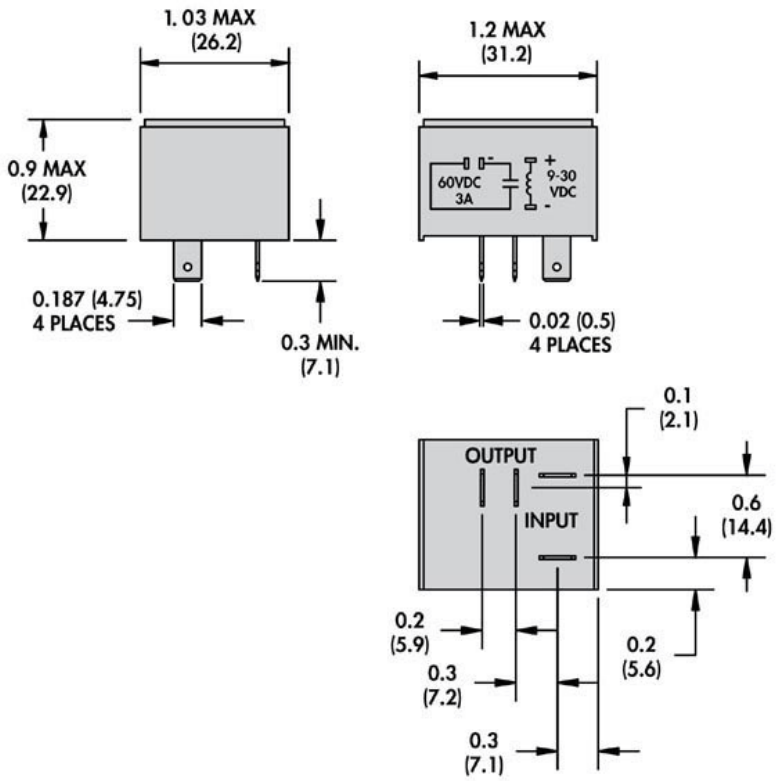
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which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

Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Approximate Dimensions



Connections and Schema

Connections and Wiring Diagrams

