

Product data sheet

Characteristics

70S2-02-A-05-S

Relay, SE Relays, solid state, SPST, 5A, 3 to 60 VDC, 9 to 30 VDC Uc, MOSFET, panel mount, screw terminal



Main

Range	Legacy
Product Type	Solid state relay
Maximum output current	5 A DC
Mounting Support	Panel mounted
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	Screw terminal
Switching Voltage	1 V DC tripping
Switching Device	Mosfet output DC switching
Surge Current	7 A 1 s
Must Release Voltage	1 V
Voltage Drop	<1.85 V on-state DC
Thermal Resistance	8.5 °C/W
Leakage Current	10 µA at off-state
Response Time	75 µs (turn-on) 750 µs (turn-off)
Dielectric Strength	2500 V between input and output 2500 V between terminals and chassis
Height	0.89 in (22.5 mm)
Width	1.03 in (26.2 mm)
Depth	1.23 in (31.2 mm)
Product Weight	1.66 oz (47 g)

Environment

Product Certifications	CE
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	OCP2
GTIN	3606480278419
Returnability	Yes
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.10 in (2.794 cm)
Package 1 Width	1.10 in (2.794 cm)
Package 1 Length	2.30 in (5.842 cm)
Package 1 Weight	1.44 oz (40.824 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	100
Package 2 Height	5.71 in (14.5 cm)
Package 2 Width	7.99 in (20.3 cm)
Package 2 Length	10.75 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	12.40 in (31.5 cm)
Package 3 Width	11.61 in (29.5 cm)
Package 3 Length	16.93 in (43 cm)
Package 3 Weight	43.12 lb(US) (19.56 kg)

Offer Sustainability

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
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Connections and Wiring Diagrams

