

Product data sheet

Specifications



Relay, SE Relays, solid state, SPST, 3A, 8...50 VAC, 6...30/32 VDC Uc, triac, printed circuit board , screw term, inch

70S2-05-D-03-V

⚠ Discontinued

⚠ Discontinued on: Aug 7, 2023

Main

Range	Legacy
Product Type	Solid state relay
maximum output current	3 A AC
Mounting Support	Printed circuit boards
Network Number of Phases	1 phase
Output Voltage	8...50 V AC

Complementary

Holding Current	75 mA
Input Current Limits	1...6 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	solder terminal
Switching Voltage	1 V DC tripping
Switching Device	Triac output Zero voltage switching
Maximum Peak Voltage	200 V
Surge Current	300 A 1 cycle 25 A 60 cycles
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state AC
Thermal Resistance	25 °C/W
Leakage Current	3 mA at off-state
DV/dt	300 V/ms off-state at maximum rated voltage
Dielectric Strength	3750 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)

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

Environment

Product Certifications	UL Recognized CSA 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

GTIN	3606481107572
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	0.00004 oz (0.001 g)


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 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 Again

 Repack and remanufacture	
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Connections and Schema

Connections and Wiring Diagrams

