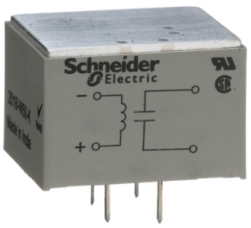
Product data sheet

Specifications



Relay, SE Relays, solid state, SPST, 4A, 8…50 VAC, 6...30/32 VDC Uc, triac, printed circuit board mount, solder terminal

70S2-05-D-04-F

Discontinued

Discontinued on: Aug 7, 2023

Main

Range	Legacy
Product Type	Solid state relay
maximum output current	4 A AC
Mounting Support	Printed circuit boards
Network Number of Phases	1 phase
Output Voltage	8...50 V AC
Control Circuit Voltage	6...30 V DC

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	solder terminal
Switching Voltage	1 V DC tripping
Switching Device	Triac output Zero voltage switching
Maximum Peak Voltage	200 V
Surge Current	60 A 1 cycle 19 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
Response Time	8.33 ms (turn-on, turn-off)
Dielectric Strength	3000 V between input and output 3000 V between output and ground
Height	0.88 in (22.25 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.

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

Depth	1.2 in (31.2 mm)
Product Weight	1.2 oz (35 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

GTIN	3606481107589

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.10 in (2.8 cm)
Package 1 Width	1.22 in (3.1 cm)
Package 1 Length	1.30 in (3.3 cm)
Package 1 Weight	1.2 oz (33.0 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	7.91 lb(US) (3.59 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 (43.0 cm)
Package 3 Weight	33.42 lb(US) (15.16 kg)

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

