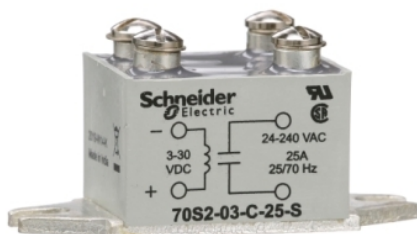


# Product data sheet

## Characteristics

# 70S2-03-C-25-S

Relay, Legacy, solid state, SPST, 25A, 24...  
280 VAC, 3...30 VDC Uc, triac, panel mount,  
screw terminal



### Main

Range	Legacy
Product Type	Solid state relay
Nominal Output Current	25 A AC
Network Number of Phases	1 phase
Mounting Support	Panel mounted
Output Voltage	24...280 V AC

### Complementary

Holding Current	100 mA
Input Current Limits	7...16 mA 3...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	300 A 1 cycle 125 A 60 cycles
Must Release Voltage	1 V
Voltage Drop	<1.7 V on-state AC
Thermal Resistance	1.75 °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	3000 V between input and output 3000 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	1.94 oz (55 g)

### Environment

Product Certifications	UL Recognized CSA CE RoHS
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	03606480278433
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## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
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

