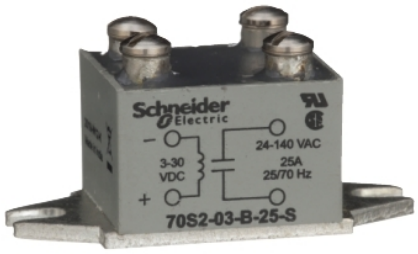
Product data sheet
Characteristics

70S2-05-C-12-S
Relay, Legacy, solid state, SPST, 12A, 24… 280 VAC, 6...30/32 VDC Uc, triac, panel mount, screw terminal



Main

Range	Legacy
Product Type	Solid state relay
Nominal Output Current	12 A AC
Network Number of Phases	1 phase
Mounting Support	Panel mounted
Output Voltage	24...280 V AC

Complementary

Holding Current	50 mA
Input Current Limits	6…10 mA 6...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	150 A 1 cycle 48 A 60 cycles
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state for AC
Thermal Resistance	2.4 °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	300 V between input and output 300 V between output and ground
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	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	03606480278617

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) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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