

# Product data sheet

## Characteristics

# 70S2-06-C-12-S

Relay, SE Relays, solid state, SPST, 12A, 24...  
280 VAC, triac, panel mount, screw terminal



### Main

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

### Complementary

Holding Current	50 mA
Input Current Limits	1...17 mA at 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	150 A 1 cycle 48 A 60 cycles
Must Release Voltage	1 V
Voltage Drop	<1.6 V on-state 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
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	3606480278624
Nbr. of units in pkg.	1
Package weight(Lbs)	1.55 oz (44.0 g)

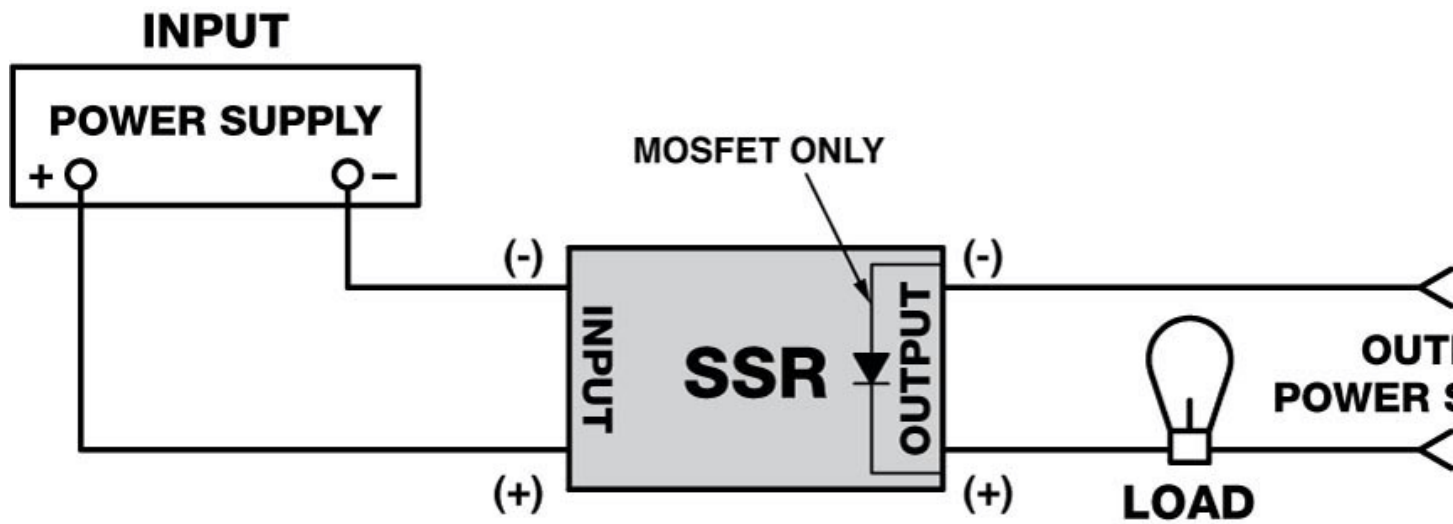
## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.10 in (2.8 cm)
Package 1 width	1.22 in (3.1 cm)
Package 1 Length	2.28 in (5.8 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	100
Package 2 Weight	10.34 lb(US) (4.69 kg)
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)
Unit Type of Package 3	CAR
Number of Units in Package 3	400
Package 3 Weight	43.12 lb(US) (19.56 kg)
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)

## 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



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