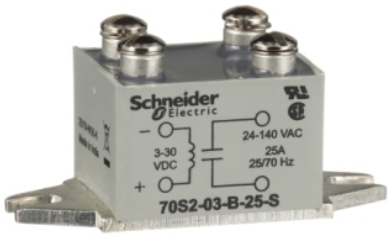
# Product data sheet
## Characteristics

# 70S2-03-B-25-S
Relay, Legacy, solid state, SPST, 25A, 24…140 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...140 V AC |

## Complementary

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|---|---|
| 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<br>Zero voltage switching |
| Maximum Peak Voltage | 400 V |
| Surge Current | 150 A 1 cycle<br>48 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<br>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

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|---|---|
| Product Certifications | UL Recognized<br>CSA<br>CE<br>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

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|---|---|
| GTIN | 03606480278426 |

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## Offer Sustainability

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|---|---|
| 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