# Product data sheet

Specifications

## single phase relay, Harmony Solid State Modular Relays, 6A, DIN rail mount, DC switching, input 4 to 32V DC, output 1 to 100V DC

SSM1D36BD

**Product availability: Non-Stock - Not normally stocked in distribution facility**

**Price*: 34.80 USD**

## Main

| | |
|---|---|
| **Range Of Product** | Harmony Solid State Relays |
| **Product Or Component Type** | Solid state relay up to 10 A |
| **Device Short Name** | SSM |
| **Number Of Channels** | 1 |
| **Number Of Phases** | 1 phase |
| **Output Switching Mode** | DC switching |

## Complementary

| | |
|---|---|
| **Mounting Support** | Symmetrical DIN rail |
| **Line Rated Current** | 6 A |
| **Output Voltage** | 1...100 V DC |
| **[Uc] Control Circuit Voltage** | 4...32 V DC |
| **Tightening Torque** | 0.5...0.8 N.m for input<br>0.5...0.8 N.m for output |
| **Connections - Terminals** | Screw terminals 1 x 0.3...1 x 1.5 mm², AWG 22...AWG 16) input<br>Screw terminals 1 x 0.3...1 x 2.5 mm², AWG 22...AWG 14) output |
| **Maximum Capacitance** | 10 pF for input/output |
| **Insulation Resistance** | 1000 MOhm at 500 V DC |
| **Local Signalling** | for input status LED (green) |
| **Minimum Switching Voltage** | 4 V DC turn-on |
| **Maximum Switching Voltage** | 1 V DC turn-off |
| **Input Current** | 8…11 mA |
| **Solid State Output Type** | Mosfet output<br>DC switching |
| **Load Current** | 0.0025…6 A |
| **Transient Overvoltage** | 100 V |
| **Surge Current** | 60 A 10 ms |
| **Maximum Voltage Drop** | <0.6 V on-state |
| **Resistance** | 0.1 Ohm on-state |
| **Maximum Leakage Current** | 0.1 mA off-state |

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

| | |
|---|---|
| **Response Time** | 0.6 ms (turn-on)<br>0.3 ms (turn-off) |
| **Overvoltage Category** | III |
| **Width** | 0.43 in (11 mm) |
| **Height** | 3.56 in (90.3 mm) |
| **Depth** | 3.30 in (83.7 mm) |
| **Net Weight** | 0.11 lb(US) (0.05 kg) |

## Environment

| | |
|---|---|
| **Flame Retardance** | V0 conforming to UL 94 |
| **Dielectric Strength** | 4 kV DC for input/output<br>4 kV DC for input or output to case |
| **Pollution Degree** | 2 |
| **Standards** | IEC 62314<br>IEC 61000<br>IEC 60950-1 |
| **Product Certifications** | UL<br>CSA |
| **Marking** | CE |
| **Ip Degree Of Protection** | IP20 |
| **Ambient Air Temperature For Operation** | -22…176 °F (-30…80 °C) |
| **Ambient Air Temperature For Storage** | -22…212 °F (-30…100 °C) |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10CP222375 |
| **Discount Schedule** | 0CP2 |
| **Gtin** | 3606480579356 |
| **Returnability** | Yes |
| **Country Of Origin** | MX |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 0.79 in (2.000 cm) |
| **Package 1 Width** | 3.54 in (9.000 cm) |
| **Package 1 Length** | 3.54 in (9.000 cm) |
| **Package 1 Weight** | 2.29 oz (65.000 g) |
| **Unit Type Of Package 2** | S02 |
| **Number Of Units In Package 2** | 96 |
| **Package 2 Height** | 5.91 in (15.000 cm) |
| **Package 2 Width** | 11.81 in (30.000 cm) |
| **Package 2 Length** | 15.75 in (40.000 cm) |
| **Package 2 Weight** | 14.11 lb(US) (6.400 kg) |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

Mercury Free

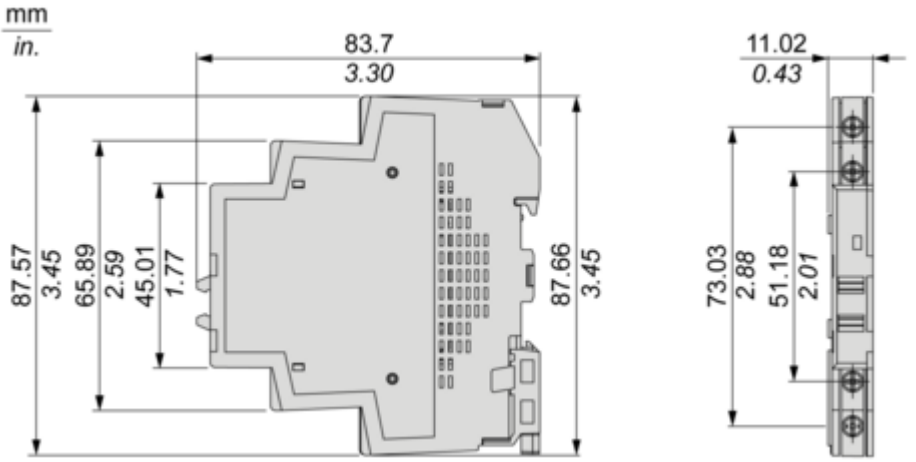
Rohs Exemption Information Yes

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope) |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Circularity Profile** | End of Life Information |
| **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 |

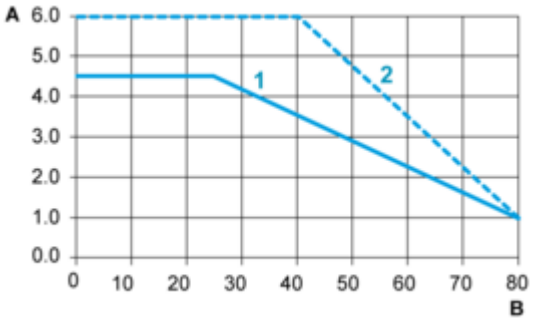
Dimensions Drawings

## Dimensions



## Performance Curves

### Derating Curves




**A :** Load Current (Amperes)
**B :** Ambient Temperature (°C)
**1 :** Multiple units, no minimum spacing between components
**2 :** Installed single unit, distance to adjacent components more than 11 mm