

# 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 60V DC

SSM1D26BD

## Main

|                           |                            |
|---------------------------|----------------------------|
| Range of product          | Harmony Solid State Relays |
| Device short name         | SSM                        |
| Product or component type | Modular DIN rail relay     |
| Number of channels        | 1                          |
| Number of phases          | 1 phase                    |
| Output switching mode     | DC switching               |

## Complementary

|                              |                                                                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Product configuration type   | Relay configuration                                                                                                                         |
| Mounting support             | Symmetrical DIN rail                                                                                                                        |
| [In] rated current           | 6 A                                                                                                                                         |
| Output voltage               | 1...60 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) for input<br>Screw terminals: 1 x 0.3...1 x 2.5 mm², (AWG 22...AWG 14) for output |
| maximum capacitance          | 10 pF for input/output                                                                                                                      |
| Insulation resistance        | 1000 MOhm at 500 V DC                                                                                                                       |
| Local signalling             | LED (green) for input status                                                                                                                |
| 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        | 60 V                                                                                                                                        |
| Surge current                | 60 A for 10 ms                                                                                                                              |
| Maximum voltage drop         | <0.6 V on-state                                                                                                                             |
| Resistance                   | 0.1 Ohm on-state                                                                                                                            |
| Maximum leakage current      | 0.1 mA off-state                                                                                                                            |
| Response time                | 1.7 ms (turn-on)<br>0.3 ms (turn-off)                                                                                                       |

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

|                      |                     |
|----------------------|---------------------|
| Overvoltage category | III                 |
| Width                | 11 mm               |
| Height               | 90.3 mm             |
| test button          | Without test button |
| Depth                | 83.7 mm             |
| Product weight       | 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 61000<br>IEC 62314<br>IEC 60950-1                           |
| Product certifications                | UL<br>CSA                                                       |
| Marking                               | CE                                                              |
| IP degree of protection               | IP20                                                            |
| Ambient air temperature for operation | -30...80 °C                                                     |
| Ambient air temperature for storage   | -30...100 °C                                                    |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 1.700 cm  |
| Package 1 Width              | 9.300 cm  |
| Package 1 Length             | 8.700 cm  |
| Package 1 Weight             | 63.000 g  |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 96        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 6.562 kg  |

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

| Environmental footprint          |                                               |
|----------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint | 34                                            |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

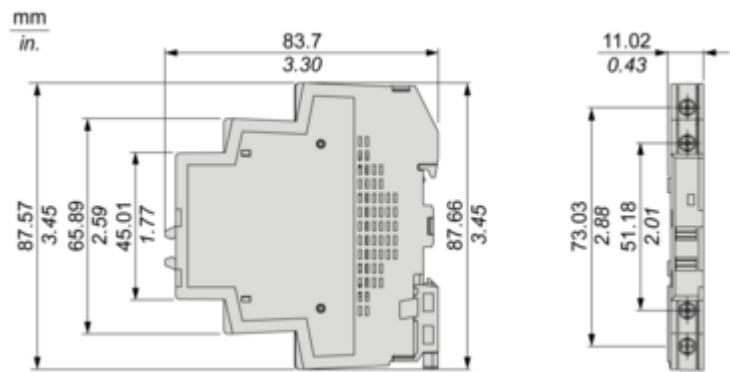
| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| 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> |

Use Again

| Repack and remanufacture        |                                         |
|---------------------------------|-----------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a> |
| Take-back                       | No                                      |

Dimensions Drawings

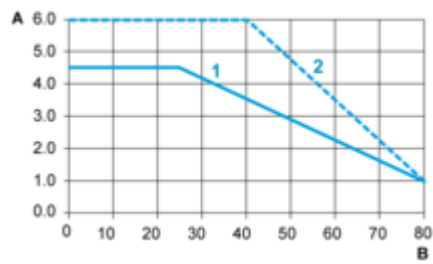
Dimensions



Performance Curves

Derating Curves

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- 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

Technical Illustration

Dimensions

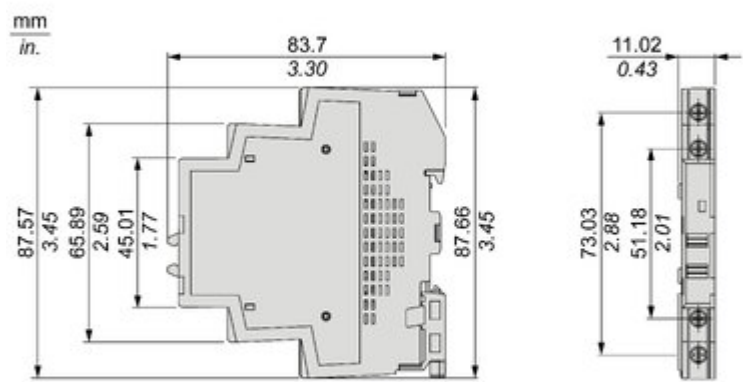


Image of product / Alternate images

Alternative

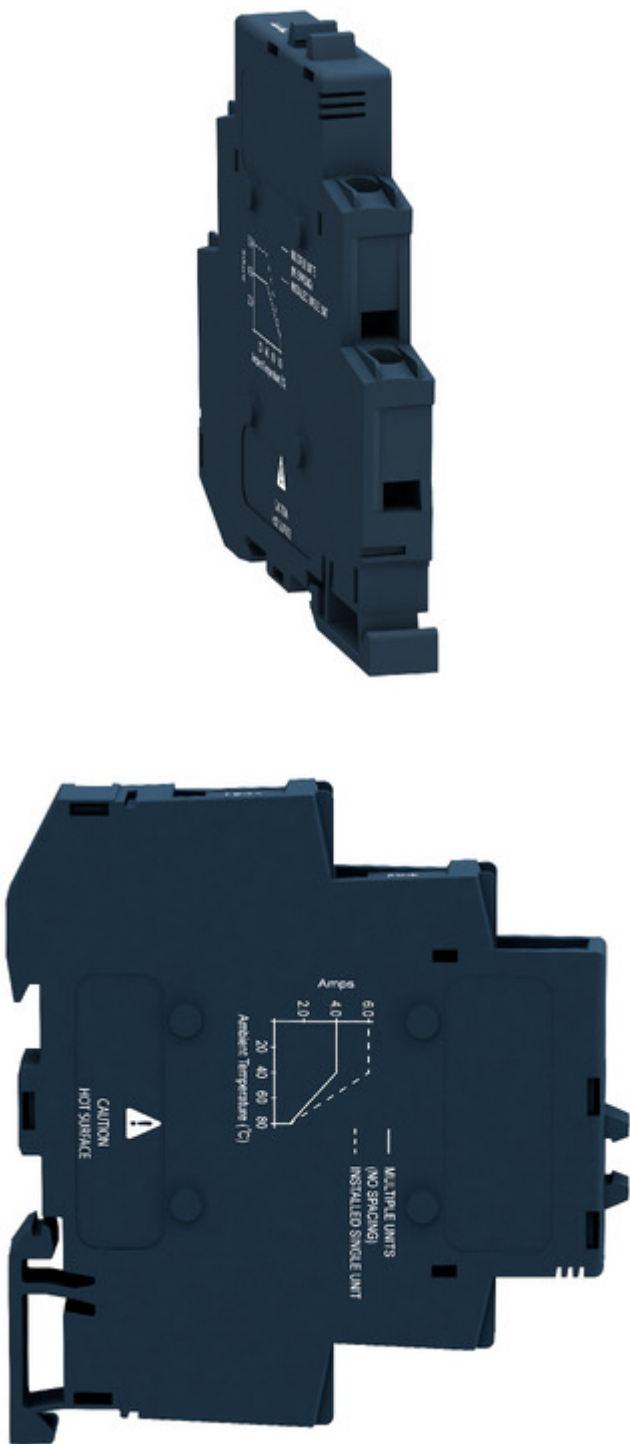






Image of product in real life situation

