# Product data sheet
## Characteristics

# SSM1D26BD
single phase relay, Harmony Solid State Modular Relays, 6A, DIN rail mount, DC swtching, input 4 to 32V DC, output 1 to 60V DC



## Main

| | |
|---|---|
| Range of product | Harmony Solid State Relays |
| Device short name | SSM |
| Product or component type | Modular DIN rail relay |
| Number of channels | 1 |
| Network 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, (22 AWG...16 AWG) for input<br>Screw terminals: 1 x 0.3...1 x 2.5 mm², (22 AWG...14 AWG) for output |
| Capacitance unbalance | 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 limits | 8…11 MA |
| Solid state output type | Mosfet output<br>DC switching |
| Load current | 0.0025…6 A |
| Absolute maximum voltage | 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) |
| Overvoltage category | III |
| Width | 11 Mm |
| Height | 87.5 Mm |

| | |
|---|---|
| Control type | Without test button |
| Depth | 83.5 Mm |
| Net weight | 0.042 Kg |
| Device presentation | Complete product |
| [Ui] rated insulation voltage | 60 V |

## 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[RETURN]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

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|---|---|
| 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 | 56.000 G |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 96 |
| Package 2 Height | 15 Cm |
| Package 2 Width | 30 Cm |
| Package 2 Length | 40 Cm |
| Package 2 Weight | 6.562 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 94 |
| Total lifecycle Carbon footprint | 4 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.3799430752267844 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.4 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0043042572230858256 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0020171772336318593 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 3.6054768454236212 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 4 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.09132664385282818 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1 kg CO2 eq. |
| Total lifecycle Carbon footprint | 4 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which |
| Take-back | No |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

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|---|---|
| Product Life Status : | Commercialised |