# Product data sheet
## Characteristics

# TM5SPS1
## Power distribution module, Modicon TM5, for I/O 24 V DC



## Main

| | |
|---|---|
| Range of product | Modicon TM5 |
| Product or component type | Power distribution module |
| Product compatibility | Logic controller<br>Motion controller |
| Range compatibility | Modicon M258<br>Modicon LMC058 |
| [Us] rated supply voltage | 24 V for DC |
| Power supply output current | 10 A for I/O power segment |

## Complementary

| | |
|---|---|
| Input current | 10000 MA for I/O power segment |
| Maximum power dissipation in W | 0.8 W |
| Typical current consumption | 25 MA at 24 V DC |
| Short-circuit protection | 10 A external fuse |
| Housing colour | Grey |
| Electrical connection | Screw/Spring terminal block |
| Height | 99 Mm |
| Width | 12.5 Mm |
| Depth | 75 Mm |

## Environment

| | |
|---|---|
| IP degree of protection | IP20 |
| Marking | CE |
| Product certifications | GOST-R[RETURN]C-Tick[RETURN]CULus[RETURN]CSA |
| Standards | CSA C22.2 No 142<br>CSA C22.2 No 213<br>UL 508<br>IEC 61131-2 |
| Ambient air temperature for operation | -10…55 °C without derating (horizontal installation)<br>55…60 °C with derating factor (horizontal installation)<br>-10…50 °C (vertical installation) |
| Ambient air temperature for storage | -25…70 °C |
| Relative humidity | 5…95 % without condensation |
| Operating altitude | 0...2000 m |
| Pollution degree | 2 |
| Vibration resistance | 1 gn (f = 8.4…150 Hz) on DIN rail<br>3.5 mm (f = 5…8.4 Hz) on DIN rail |
| Shock resistance | 15 gn for 11 ms |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.000 Cm |
| Package 1 Width | 6.000 Cm |
| Package 1 Length | 10.600 Cm |
| Package 1 Weight | 35.000 G |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 97 |
| Package 2 Height | 15.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 3.847 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 0 |
| Total lifecycle Carbon footprint | 34 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1.178162357067301 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.012254833812909132 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.02417209120250885 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 32.27070371590814 |
| REACh free of SVHC | Yes |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 32 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.05583125620426437 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 34 |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | Yes |
| REACh Regulation | Free of 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 |
| PVC free | Yes |
| End of life manual availability | End Of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and |

## Contractual warranty

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

Product Life Status : Commercialised