# Product data sheet
## Characteristics

# TM3XTRA1
## remote transmitter module; Modicon TM3



## Main

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|---|---|
| Range of product | Modicon TM3 |
| Product or component type | Remote transmitter module |
| Range compatibility | Modicon M241<br>Modicon M251<br>Modicon M221<br>Modicon M262 |

## Complementary

| | |
|---|---|
| Current consumption | 100 mA at 5 V DC via bus connector at state on<br>30 mA at 5 V DC via bus connector at state off |
| Maximum power dissipation in W | 0.6 W |
| Cable distance between devices | 0.5…5 Mm extension cable with 2 RJ45 conductor between receiver and transmitter |
| Electrical connection | RJ45 connector for connecting the bus receiver<br>Screw connector terminal for connecting the functional ground |
| Local signalling | 1 LED green for power supply<br>1 LED green for Link (Link Status) |
| Electromagnetic emission | Radiated emissions - test level: 40 dBµV/m QP class A ( 10 m) at 30…230 MHz conforming to<br>Radiated emissions - test level: 47 dBµV/m QP class A ( 10 m) at 230…1000 MHz conforming |
| Mounting support | Top hat type TH35-15 rail conforming to IEC 60715<br>Top hat type TH35-7.5 rail conforming to IEC 60715<br>plate or panel with fixing kit |
| Height | 90 Mm |
| Width | 23.65 Mm |
| Depth | 73.3 Mm |
| Net weight | 0.065 Kg |

## Environment

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|---|---|
| IP degree of protection | IP20 |
| Marking | CE |
| Product certifications | Merchant Navy[RETURN]C-Tick[RETURN]GOST[RETURN]CSA HazLoc[RETURN]CE[RETUR |
| Standards | CSA C22.2 No 213 Class I Division 2 Group A<br>CSA C22.2 No 213 Class I Division 2 Group B<br>CSA C22.2 No 213 Class I Division 2 Group C<br>CSA C22.2 No 213 Class I Division 2 Group D<br>UL 1604 Class 1 Division 2<br>CSA C22.2 No 142<br>IEC 61131-2<br>UL 508 |
| Ambient air temperature for operation | -10…55 °C (horizontal installation)<br>-10…50 °C (vertical installation) |
| Ambient air temperature for storage | -40…70 °C |
| Relative humidity | 5…95 % without condensation |
| Operating altitude | 0...2000 m |

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|---|---|
| Pollution degree | 2 |
| Vibration resistance | 3.5 mm (f = 5…8.4 Hz) on DIN rail<br>3 gn (f = 8.4…150 Hz) on DIN rail<br>3.5 mm (f = 5…8.4 Hz) on panel mounting<br>3 gn (f = 8.4…150 Hz) on panel mounting |
| Shock resistance | 15 gn for 11 ms |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.500 Cm |
| Package 1 Width | 10.700 Cm |
| Package 1 Length | 12.700 Cm |
| Package 1 Weight | 166.000 G |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 18 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 3.721 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 12 |
| Total lifecycle Carbon footprint | 27 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1.4486 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.021856 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.00047127 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 25.735 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 26 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.046685 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 27 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 91cf81c4-f22d-428b-a036-2e24fcc66509 |
| 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 |
| 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

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

Product Life Status : Commercialised