Product data sheet

Specification





discrete output module, Modicon TM3, 32 outputs transistor PNP, HE10

TM3DQ32TK

Product availability: Stock - Normally stocked in distribution

Price*: 219.00 USD

Main

| Range Of Product | Modicon TM3 |
|---------------------------|--|
| Product Or Component Type | Discrete output module |
| Range Compatibility | Modicon M241 Modicon M251 Modicon M221 Modicon M262 |
| Discrete Output Type | Transistor |
| Discrete Output Number | 32 |
| Discrete Output Logic | Positive logic (source) |
| Discrete Output Voltage | 24 V DC transistor output |
| Discrete Output Current | 100 mA transistor output |

Complementary

| Discrete I/O Number | 32 |
|---|---|
| Current Consumption | 5 mA 5 V DC via bus connector at state off) 0 mA 24 V DC via bus connector at state off) 25 mA 5 V DC via bus connector at state on) 40 mA 24 V DC via bus connector at state on) |
| Response Time | 450 μs (turn-on) 450 μs (turn-off) |
| Maximum Leakage Current | 0.1 mA transistor output |
| Maximum Voltage Drop | <0.4 V |
| Maximum Tungsten Load | <1.2 W transistor output |
| Local Signalling | for output status 1 LED per channel (green) |
| Electrical Connection | HE-10 connector for outputs |
| Maximum Cable Distance Between Devices | Unshielded cable <16.40 ft (5 m) transistor output |
| Insulation | Between output and internal logic 500 V AC Non-insulated between outputs |
| Marking | CE |
| Mounting Support | Top hat type TH35-15 rail IEC 60715 Top hat type TH35-7.5 rail IEC 60715 plate or panel with fixing kit |
| Height | 3.54 in (90 mm) |
| Depth | 3.20 in (81.3 mm) |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| Width | 1.32 in (33.5 mm) |
|------------|------------------------|
| Net Weight | 0.25 lb(US) (0.112 kg) |

Environment

| Standards | IEC 61131-2 |
|-------------------------------|---|
| Product Certifications | cULus |
| | CE |
| | UKCA |
| | |
| | RCM |
| | EAC |
| | cULus HazLoc |
| Resistance To Electrostatic | 8 kV in air IEC 61000-4-2 |
| Discharge | 4 kV on contact IEC 61000-4-2 |
| Resistance To Electromagnetic | 9.14 V/m (10 V/m) 80 MHz1 GHz IEC 61000-4-3 |
| Fields | 2.74 V/m (3 V/m) 1.4 GHz2 GHz IEC 61000-4-3 |
| | |
| | 0.91 V/m (1 V/m) 2 GHz3 GHz IEC 61000-4-3 |
| Resistance To Magnetic Fields | 98.43 A/m (30 A/m) 50/60 Hz IEC 61000-4-8 |
| Resistance To Fast Transients | 1 kV I/OIEC 61000-4-4 |
| Surge Withstand | 1 kV I/O common mode IEC 61000-4-5 DC |
| Resistance To Conducted | 10 V 0.1580 MHz IEC 61000-4-6 |
| Disturbances | |
| 2.000.000 | 3 V spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz) Marine |
| | specification (LR, ABS, DNV, GL) |
| Electromagnetic Emission | Radiated emissions 40 dBµV/m QP class A 10 m)30230 MHz IEC 55011 |
| | Radiated emissions 47 dBμV/m QP class A 10 m)2301000 MHz IEC 55011 |
| Ambient Air Temperature For | 1495 °F (-1035 °C) vertical installation |
| Operation | 14131 °F (-1055 °C) horizontal installation |
| Ambient Air Temperature For | -13158 °F (-2570 °C) |
| Storage | · |
| Relative Humidity | 1095 %, without condensation in operation) |
| | 1095 %, without condensation in storage) |
| | |
| Ip Degree Of Protection | IP20 with protective cover in place |
| Pollution Degree | 2 |
| Operating Altitude | 06561.68 ft (02000 m) |
| Storage Altitude | 0.009842.52 ft (03000 m) |
| Vibration Resistance | 3.5 mm 58.4 Hz DIN rail |
| | 3 gn 8.4150 Hz DIN rail |
| | 3.5 mm 58.4 Hz panel |
| | · |
| | 3 gn 8.4150 Hz panel |
| Shock Resistance | 15 gn 11 ms |
| | |

Ordering and shipping details

| Category | US10MSX22533 |
|-------------------|---------------|
| Discount Schedule | 0MSX |
| Gtin | 3606480611513 |
| Returnability | Yes |
| Country Of Origin | US |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|-----|
| Number Of Units In Package 1 | 1 |

| Package 1 Height | 2.96 in (7.525 cm) |
|------------------------------|--------------------------|
| Package 1 Width | 4.20 in (10.661 cm) |
| Package 1 Length | 5.07 in (12.89 cm) |
| Package 1 Weight | 7.76 oz (220.0 g) |
| Unit Type Of Package 2 | CAR |
| Number Of Units In Package 2 | 42 |
| Package 2 Height | 11.65 in (29.6 cm) |
| Package 2 Width | 15.59 in (39.6 cm) |
| Package 2 Length | 22.20 in (56.4 cm) |
| Package 2 Weight | 22.75 lb(US) (10.32 kg) |
| Unit Type Of Package 3 | P12 |
| Number Of Units In Package 3 | 504 |
| Package 3 Height | 29.53 in (75 cm) |
| Package 3 Width | 47.24 in (120 cm) |
| Package 3 Length | 31.50 in (80 cm) |
| Package 3 Weight | 305.12 lb(US) (138.4 kg) |

Sustainability Screen Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

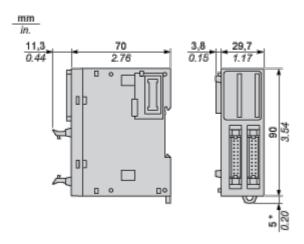
| ② | Toxic Heavy Metal Free |
|----------|--------------------------------|
| | Mercury Free |
| ⊘ | Rohs Exemption Information Yes |
| ⊘ | Pvc Free |

Certifications & Standards

| Reach Regulation | REACh Declaration |
|---------------------------------|---|
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| 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

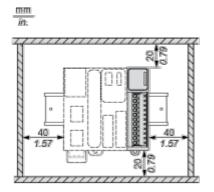


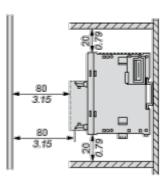
(*) 8.5 mm/0.33 in. when the clamp is pulled out.

TM3DQ32TK

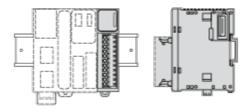
Mounting and Clearance

Spacing Requirements

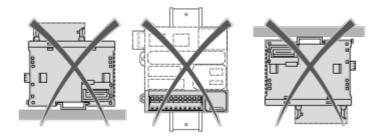




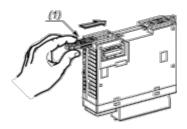
Mounting on a Rail



Incorrect Mounting

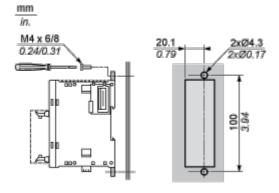


Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout

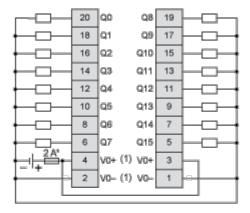


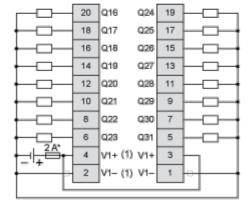
TM3DQ32TK

Connections and Schema

Digital Transistor Output Module (32-channel, Source)

Wiring Diagram





- (*) Type T fuse
- (1) The V0+ terminals are connected internally.

The V0- terminals are connected internally.

The V1+ terminals are connected internally.

The V1- terminals are connected internally.

The V0+ and V1+ terminals are not connected internally.

The V0- and V1- terminals are not connected internally.