## TM3DQ16T

## module TM3 - 16 outputs transistor PNP





#### Main

Range of product	Modicon TM3
Product or component type	Discrete output module
Range compatibility	Modicon M221 Modicon M241
	Modicon M251
Discrete output type	Transistor
Discrete output number	16
Discrete output logic	Positive logic (source)
Discrete output voltage	24 V DC for transistor output
Discrete output current	500 mA for transistor output

#### Complementary

with 10 terminal(s) of 1.5 mm²
715 715

#### Environment

Standards	EN/IEC 61131-2	
	EN/IEC 61010-2-201	
Product certifications	C-Tick	
	CULus	
Resistance to electrostatic discharge	4 kV (on contact) conforming to EN/IEC 61000-4-2	
	8 kV (in air) conforming to EN/IEC 61000-4-2	
Resistance to electromagnetic fields	1 V/m at 2 GHz3 GHz conforming to EN/IEC 61000-4-3	
	3 V/m at 1.4 GHz2 GHz conforming to EN/IEC 61000-4-3	
	10 V/m at 80 MHz1 GHz conforming to EN/IEC 61000-4-3	
Resistance to magnetic fields	30 A/m at 5060 Hz conforming to EN/IEC 61000-4-8	
Resistance to fast transients	1 kV for I/O conforming to EN/IEC 61000-4-4	

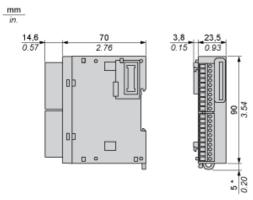
Surge withstand	1 kV for I/O (DC) in common mode conforming to EN/IEC 61000-4-5
Resistance to conducted disturbances, induced by radio frequency fields	3 Vrms at spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz) conforming to Marine specification (LR, ABS, DNV, GL) 10 Vrms at 0.1580 MHz conforming to EN/IEC 61000-4-6
Electromagnetic emission	Radiated emissions, test level: 47 dB $\mu$ V/m QP with class A, condition of test: 10 m (radio frequency: 230 MHz1 GHz) conforming to EN/IEC 55011 Radiated emissions, test level: 40 dB $\mu$ V/m QP with class A, condition of test: 10 m (radio frequency: 30230 MHz) conforming to EN/IEC 55011
Ambient air temperature for operation	-1055 °C for horizontal installation -1035 °C for vertical installation
Ambient air temperature for storage	-2570 °C
Relative humidity	1095 % without condensation in storage 1095 % without condensation in operation
IP degree of protection	IP20 with protective cover in place
Pollution degree	2
Operating altitude	02000 m
Storage altitude	03000 m
Vibration resistance	3 gn (vibration frequency: 8.4150 Hz) on panel 3.5 mm (vibration frequency: 58.4 Hz) on panel 3 gn (vibration frequency: 8.4150 Hz) on DIN rail 3.5 mm (vibration frequency: 58.4 Hz) on DIN rail
Shock resistance	15 gn (test wave duration:11 ms)

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1348 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available 🔁 Download End Of Life Manual



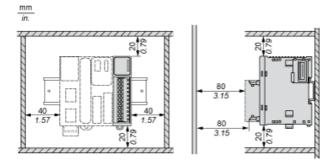
#### **Dimensions**



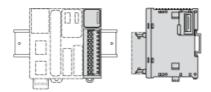
(\*) 8.5 mm/0.33 in. when the clamp is pulled out.

## TM3DQ16T

### **Spacing Requirements**



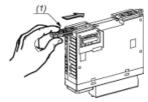
### Mounting on a Rail



### **Incorrect Mounting**

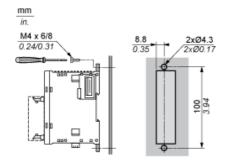


### Mounting on a Panel Surface



(1) Install a mounting strip

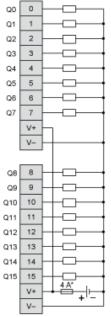
#### Mounting Hole Layout



# TM3DQ16T

### Digital Transistor Output Module (16-Channel, Source)

### Wiring Diagram



(\*) Type T fuse