Product data sheet
Characteristics

TM3DQ16T
discrete output module, Modicon TM3, 16 outputs transistor PNP, screw



Main

Range of product	Modicon TM3
Product or component type	Discrete output module
Range compatibility	Modicon M241 Modicon M251 Modicon M221 Modicon M262
Device application	Industrial application
Discrete output number	16
Discrete output logic	Positive logic (source)
Discrete output voltage	24 V DC for transistor

Complementary

Discrete output number	16 transistor
Discrete output current	500 mA transistor output
Response time on output	450 µs maximum (turn on) 450 µs maximum (turn off)
Maximum leakage current	0.1 MA
Maximum voltage drop	<0.4 V
Maximum tungsten load	<3 W for transistor
Safety reliability data	MTBF = 57 years 40 °C
Power supply type	Electronic powered by internal bus
Typical current consumption	5 MA at 5 V DC 0 MA at 24 V DC 20 MA at 5 V DC 10 MA at 24 V DC
Electrical connection	10 x 1.5 mm² removable screw terminal block with pitch 3.81 mm adjustment for outputs
Maximum cable distance between devices	Unshielded cable: <30 m for transistor output
Isolation between channels and bus	500 V AC
Local signalling	1 LED per channel (green) for output status
Housing colour	Grey
AWG gauge	0.14…1.5 Mm² / 26 AWG...16 AWG with solid cable
Mounting support	Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715 plate or panel with fixing kit
Height	90 Mm
Width	27.4 Mm
Depth	84.6 Mm
Net weight	0.11 Kg

Environment

IP degree of protection	IP20
Protective treatment	None
Marking	CE
Product certifications	CE[RETURN]CULus[RETURN]UKCA[RETURN]RCM[RETURN]EAC[RETURN]CULus HazLoc
Standards	IEC 61131-2
Ambient air temperature for operation	-10…35 °C (vertical installation) -10…55 °C (horizontal installation)
Ambient air temperature for storage	-25…70 °C
Relative humidity	10…95 % without condensation for operation 10…95 % without condensation for storage
Operating altitude	0...2000 m
Pollution degree	2
Vibration resistance	3.5 mm (f = 5…8.4 Hz) on DIN rail 3 gn (f = 8.4…150 Hz) on DIN rail 3.5 mm (f = 5…8.4 Hz) on panel mounting 3 gn (f = 8.4…150 Hz) on panel mounting
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	8.000 Cm
Package 1 Width	11.000 Cm
Package 1 Length	13.000 Cm
Package 1 Weight	216.000 G
Unit Type of Package 2	S04
Number of Units in Package 2	42
Package 2 Height	30.000 Cm
Package 2 Width	40.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	9.752 Kg
Unit Type of Package 3	P12
Number of Units in Package 3	504
Package 3 Height	105.000 Cm
Package 3 Width	80.000 Cm
Package 3 Length	120.000 Cm
Package 3 Weight	131.000 Kg

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	33 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	14.219459490480702
Carbon footprint of the manufacturing phase [A1 to A3]	14 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.04914412173644359
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0057955603575050255
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	18.21409325640929
Carbon footprint of the use phase [B2, B3, B4, B6]	18 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.5262117077502266
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.

Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	33
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	7cc01735-94b8-432b-9a81-f9da4dd7709d
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised