Product datasheet

Specifications

Module hight speed counting. Modicon TM3. 2 channels HSC Event management. 10 inputs. 8 outputs (spring)

TM3XFHSC202G

Price: 10,677.08 ZAR

Main

Range Of Product	Modicon TM3
Product Or Component Type	Module hight speed counting
Range Compatibility	Modicon M262
[Us] Rated Supply Voltage	24 V DC by external supply (- 15...20 %)
Number Of Input Channels	10
Number Of Output Channels	8
Discrete I/O Number	18

Complementary

Current Consumption	100 mA at 5 V DC 50 mA at 24 V DC
Counting Frequency	200 kHz
Discrete Input Voltage	24 V DC
Electrical Circuit Type	Standard input Latch input
Discrete Input Logic	Sink or source
Output Voltage	24 V DC for transistor output
Output Voltage Limits	30 V DC
Discrete Output Current	300 mA for fast output (Q0...Q7)
Discrete Output Logic	Source
Output Protection Type	Against overload and short-circuits
Reset	Automatic reset
Local Signalling	1 LED for I/O 1 LED for RUN 1 LED for ERR
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
Services	HSC simple - functions available: One shot/Modulo HSC main single phase - functions available: One shot/Modulo/Event counting HSC main dual phase - functions available: Modulo/Free-large Period meter - functions available: Edge to Edge, Edge to Opposite
Counting Mode	2 main expert function (main counting function, frequency meter, period meter) Max 8 simple counting function
Event Management	8 maximum per PLC <= 100 µs Thresholds < 10 µs

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Height	90 mm
Depth	85 mm
Width	39 mm
Net Weight	150 g

Environment

Product Certifications	CSA cULus IACS E10 RCM CE UKCA EAC
Standards	CSA C22.2 No 142 ANSI/ISA 12-12-01 UL 1604 CSA C22.2 No 213 EN/IEC 61131-2:2007 UL 508
Resistance To Electrostatic Discharge	8 kV in air conforming to EN/IEC 61000-4-2 4 kV on contact conforming to EN/IEC 61000-4-2
Resistance To Electromagnetic Fields	10 V/m 80 MHz...1 GHz conforming to EN/IEC 61000-4-3 3 V/m 1.4 GHz...2 GHz conforming to EN/IEC 61000-4-3 1 V/m 2 GHz...3 GHz conforming to EN/IEC 61000-4-3
Resistance To Fast Transients	2 kV for alimentation cable conforming to EN/IEC 61000-4-4 1 kV for Ethernet line conforming to EN/IEC 61000-4-4 1 kV for serial link conforming to EN/IEC 61000-4-4 1 kV for input conforming to EN/IEC 61000-4-4 1 kV for transistor output conforming to EN/IEC 61000-4-4
Resistance To Conducted Disturbances	10 V 0.15...80 MHz conforming to EN/IEC 61000-4-4
Electromagnetic Emission	Conducted emissions - test level: 120...69 dBµV/m QP at 10…150 kHz conforming to EN/IEC 55011 Conducted emissions - test level: 63 dBµV/m QP at 1.5…30 MHz conforming to EN/IEC 55011 Radiated emissions - test level: 40 dBµV/m class A at 30…230 MHz conforming to EN/IEC 55011 Conducted emissions - test level: 79...63 dBµV/m QP at 150…1500 kHz conforming to EN/IEC 55011 Radiated emissions - test level: 47 dBµV/m class A at 230…1000 MHz conforming to EN/IEC 55011
Ambient Air Temperature For Operation	-20…60 °C horizontal installation -20…50 °C vertical installation
Ambient Air Temperature For Storage	-40…85 °C
Relative Humidity	10…95 %, without condensation (in operation) 10…95 %, without condensation (in storage)
Ip Degree Of Protection	IP20 with protective cover in place
Pollution Degree	2
Operating Altitude	0...2000 m
Storage Altitude	0…3000 m
Vibration Resistance	3.5 mm at 2…8.4 Hz on DIN rail 1 gn at 8.4…200 Hz on DIN rail 3.5 mm at 2…8.4 Hz on panel 1 gn at 8.4…200 Hz on panel
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	7.2 cm
Package 1 Width	10.4 cm
Package 1 Length	12.4 cm
Package 1 Weight	214 g

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

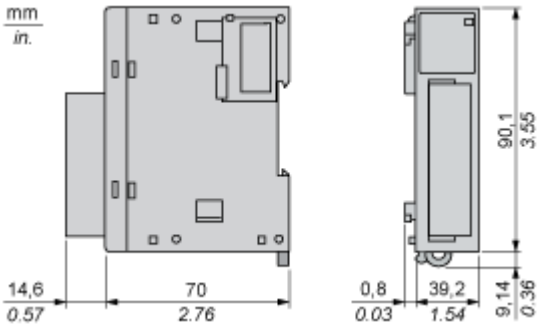
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

Dimensions Drawings

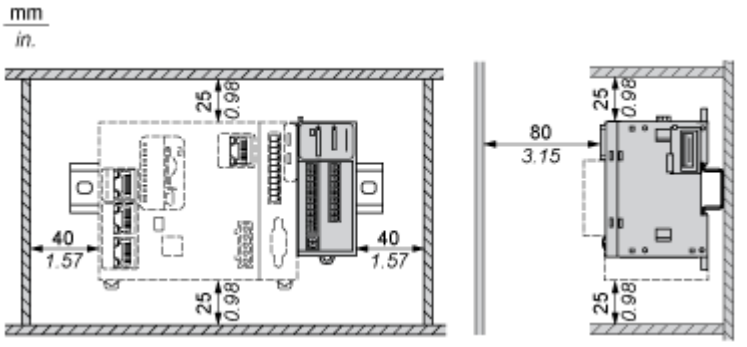
Dimensions

Side and Front Views

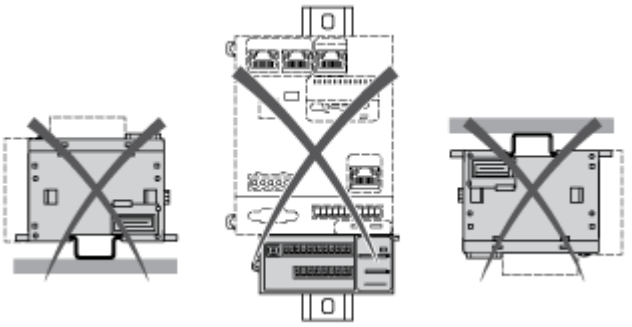


Mounting and Clearance

Spacing Requirements



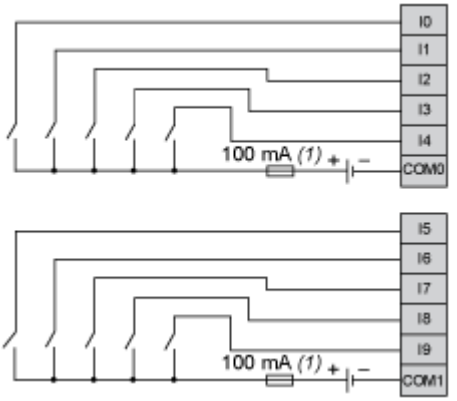
Incorrect Mounting



Connections and Schema

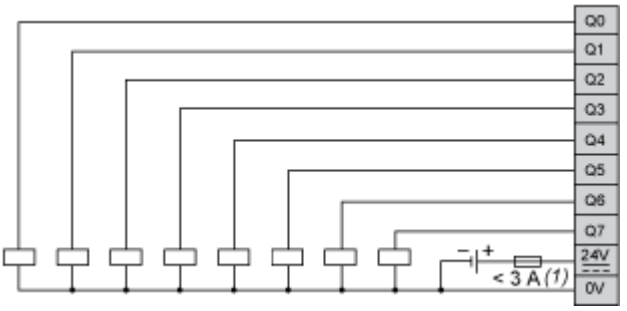
Wiring Diagram

Wiring Inputs



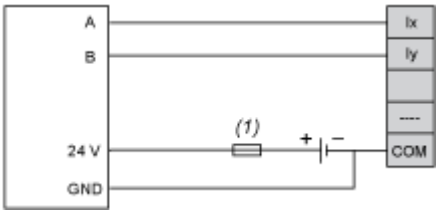
(1) : Type T fuse

Wiring Outputs



(1) : Connect an appropriate type T fuse for the load, not to exceed 3 A

Encoder Wiring



(1) : Refer to the encoder documentation for fuse sizing