

### Main

Range of product	Modicon Quantum automation platform
Product or component type	High-speed counter module
Number of channels	2
Discrete output number	4
Discrete output type	Field Effect Transistor (FET)
Local signalling	2 LED channel status
Module format	Standard

### Complementary

Addressing requirement	6 input words 6 output words
Data format	65535 dec 16 bits 2147483647 dec 32 bits
Counting input type	Incremental or quadrature
Counting frequency	500000 Hz
Discrete input voltage	< 30 V
Operating mode	Incremental or quadrature discrete input
Input resistance	10 kOhm discrete input
Operating threshold	0...11 V single ended mode 24 V DC at state off 0...2 V single ended mode 5 V DC at state on 0 V single ended mode 12 V DC at state on 2...7 V single ended mode 12 V DC at state off 3,5...5 V single ended mode 5 V DC at state off 13...24 V single ended mode 24 V DC at state on ≥ 1,8 V differential mode
Discrete output voltage	0 V switch off DC 0,4 V switch on DC
Load current	0,5 A
Leakage current	≤ 0,4 mA state off
Voltage drop	0,4 V state on
Protection type	36 V transorb discrete output
Isolation between channels and bus	1780 Vrms 60 s
Fault type	Loss of output field power
Output short-circuit protection	Blown fuse 2,5 A
Power dissipation	4 + (0,4 x total module load current)
Bus current requirement	650 mA
External power requirement	19.2...30 V
Rack type	Distributed Local Remote
Marking	CE
Current consumption	≤ 1050 mA 24 V DC external power supply
Product weight	0,35 kg

## Environment

Resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz IEC 801-3 80...1000 MHz
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	≤ 5000 m
Standards	UL 508
Product certifications	C-Tick.1 CSA No 142 FM Class 1 Division 2 UL
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant