

Main

Range of product	Modicon Quantum automation platform
Product or component type	High-speed counter module
Number of channels	5
Number of inputs	8
Discrete output number	8
Discrete output type	Field Effect Transistor (FET)
Local signalling	5 LEDs channel status
Module format	Standard

Complementary

Addressing requirement	12 input words 12 output words
Data format	65535 dec 16 bits 2147483647 dec 32 bits
Counting input voltage	30 V DC max
Counting input current	7 mA
Counting input type	Discrete incremental counter
Counting frequency	100000 Hz
Duty cycle	1/1 counter input
Discrete input current	5 mA
Operating threshold	3...5 V single ended mode 24 V REF DC at state off 15...30 V single ended mode 24 V REF DC at state on
Discrete output voltage	0 V switch off DC 20...30 V switch on DC
Load current	0,21 A
Leakage current	≤ 0,1 mA state off
Voltage drop	1,25 V state on
Isolation between channels and bus	500 Vrms 60 s
Fault type	Loss of output field power
Output short-circuit protection	Internal
Power dissipation	>= 6 W
Bus current requirement	250 mA
External power requirement	19.2...30 V
Rack type	Distributed Local Remote
Marking	CE
Current consumption	≤ 1140 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
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	ABS C-Tick CSA Class 1 Division 2 DNV (Det Norske Veritas) GL GOST LR RINA RRS UL
RoHS EUR conformity date	3Q2009
RoHS EUR status	Will be compliant