



Main

Range of product	Modicon Quantum automation platform
Product or component type	High-speed counter module
Number of channels	2

Complementary

Addressing requirement	6 input words 6 output words
Data format	2147483647 dec 32 bits 65535 dec 16 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 V single ended mode 12 V DC at state on >= 1.8 V differential mode 0...11 V single ended mode 24 V DC at state off 0...2 V single ended mode 5 V DC at state on 13...24 V single ended mode 24 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
Discrete output number	4
Discrete output type	Field Effect Transistor (FET)
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 for 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
Local signalling	2 LEDs channel status
Marking	CE
Current consumption	<= 1050 mA 24 V DC external power supply
Module format	Standard
Product weight	0.35 kg

Environment

Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz conforming to 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	CSA No 142 C-Tick.1 FM Class 1 Division 2 UL

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0901 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations