Product data sheet
Characteristics

140EHC10500
Modicon Quantum - high-speed counter module - 8 I - 100000 Hz



⚠ End of Commercialisation

Commercial status
End of Commercialisation :

Main

Range of product	Modicon Quantum automation platform
Product or component type	High-speed counter module
Number of channels	5

Complementary

Number of inputs	8
Addressing requirement	12 output words 12 input words
Data format	2147483647 dec 32 bits 65535 dec 16 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	15...30 V single ended mode 24 V REF DC at state on 3...5 V single ended mode 24 V REF DC at state off
Discrete output number	8
Discrete output type	Field Effect Transistor (FET)
Discrete output voltage	0 V switch off DC 20...30 V switch on DC
Load current	0.21 A
Maximum leakage current	0.1 MA state off
Maximum voltage drop	<1.25 V state on
Isolation between channels and bus	500 Vrms for 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	Local Distributed Remote
Local signalling	5 LEDs for channel status
Marking	CE

Current consumption	<= 1140 mA at 24 V DC external power supply
Module format	Standard

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	RINA[RETURN]UL[RETURN]GOST[RETURN]LR[RETURN]CSA Class 1 Division 2[RETURN]RRS

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.6 Cm
Package 1 Width	16.0 Cm
Package 1 Length	31.0 Cm
Package 1 Weight	520.0 G

Offer Sustainability

REACh free of SVHC	Yes
Mercury free	Yes
Sustainable packaging	No
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which

Contractual warranty

Warranty (in months)	18

Product Life Status : Post commercialisation

140EHC10500 may be replaced by any of the following products:



BMXEHC0800

counter module, Modicon M340, high speed, 8 channels

Qty 1

Substitution date: |