Product data sheet
Characteristics

BMXEHC0200
counter module, Modicon M340, high speed, 2 channels



Main

Range of product	Modicon M340 automation platform
Product or component type	Counter module
Number of channels	2
Maximum counting frequency	60000 Hz
Number of inputs	6
Input compatibility	19.2…30 V 2-wire/3-wire proximity sensor incremental encoder with push-pull outputs, 10...30 V totem pole
Input voltage	24 V DC type 3
Number of outputs	2
Output voltage	24 V DC

Complementary

Counter functions	Loop (modulo) counting Width modulation Down counting Measure time periods Ratio count Count events 32-bit counter counting Frequency meter
Cycle time	1 Ms
Isolation voltage	1500 V for 60 s
Input type	3 auxiliary input 3 high speed
Input voltage limits	24 V DC
Input current	2 MA at 11 V
Voltage state 1 guaranteed	10...30 V DC
Current state 1 guaranteed	> 2 mA (for U >= 11V)
Voltage state 0 guaranteed	< 5 V DC
Current state 0 guaranteed	< 1.5 mA
Discrete output logic	Positive or negative configurable
Maximum output current	2 A per module 0.5 A per output
Output voltage limits	19.2...30 V
Maximum load current	1 A per module 0.5 A per output
Maximum leakage current	0.1 MA at state 0
Maximum voltage drop	<3 V at state 1
Output overload protection	Integrated
Output short-circuit protection	1.5 A integrated

Overlap time	0.2 Ms
Electrical connection	1 connector with 10 pins for wiring auxiliary input and sensor power supply 1 connector with 16 pins for wiring the sensors of counter 0 1 connector with 16 pins for wiring the sensors of counter 1
Current consumption	200 mA at 3.3 V DC bus 40 mA at 24 V DC rack 80 mA at 24 V DC sensor
Module format	Standard
Net weight	0.112 Kg

Environment

Ambient air temperature for operation	0…60 °C
Relative humidity	10…95 % without condensation
IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Protective treatment	Standard version

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.500 Cm
Package 1 Width	11.500 Cm
Package 1 Length	11.800 Cm
Package 1 Weight	140.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	2.421 Kg

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	101 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	17.8877575758
Carbon footprint of the manufacturing phase [A1 to A3]	18 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0183069091
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0372790303
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	83.2725251397
Carbon footprint of the use phase [B2, B3, B4, B6]	83 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.2484193939
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	101
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which

End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised