Product data sheet

Specifications



frequency module, Modicon X80, turbomachinery, input 2 channels, hardened

BMXETM0200H

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Frequency module
Product destination	Turbo machine
Product Compatibility	M340 PLC M580 PLC
Device Application	Speed and frequency control
Number of channels	2
Input frequency	0…500 kHz
Type of Measurement	Frequency
Function Available	Compare
Number of inputs	2 MPU) 2 APU)
Input compatibility	19.2…30 V incremental encoder active pick-up sensor, 10...30 V totem pole magnetic pick-up sensor
Number of outputs	2

Complementary

Output Type	Reflex digital output
Cycle time	1 ms
Isolation voltage	1400 V DC 1 min field/bus or ground 1000 V DC 1 min differential interfaces 1000 V DC 1 min input/output
Input type	High speed
Input voltage	24 V DC 100 V AC
Input voltage limits	19.2...30 V at 60 °C 26.4 V at 70 °C
Voltage state 1 guaranteed	MPU 0.3...100 V AC APU 2.5...30 V DC
Voltage state 0 guaranteed	< 0.3 V
Discrete output logic	Positive logic (source)
Output voltage	24 V DC
Output voltage limits	19.2...30 V
Maximum load current	1 A per module 0.5 A per output

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	Connector 28 pins
Current consumption	<= 200 mA 3.3 V DC bus <= 30 mA 24 V DC sensor
Module format	Standard
Product Weight	0.273 lb(US) (0.124 kg)

Environment

Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Relative Humidity	10…95 % without condensation
IP Degree of Protection	IP20
Protective treatment	Conformal coating
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22
Standards	IEC 61131-2 IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 IEC 61000-6-5, interface type 1 and type 2 IEC 61850-3, location G IEC 60079-0
Environmental characteristic	Gas resistant class Gx ISA S71.04 Gas resistant class 3C4 IEC 60721-3-3 Dust resistant class 3S4 IEC 60721-3-3 Sand resistant class 3S4 IEC 60721-3-3 Salt resistant level 2 IEC 68252 Mold growth resistant class 3B2 IEC 60721-3-3 Fungal spore resistant class 3B2 IEC 60721-3-3 Hazardous location class I division 2

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3606480915765
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE

Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	4.409 in (11.200 cm)
Package 1 Length	4.724 in (12.000 cm)
Package weight(Lbs)	5.820 oz (165.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	13.603 lb(US) (6.170 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**78 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**21 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**56 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**3**
Circularity Profile	End of Life Information
Take-back	**No**

Image of product / Alternate images

Alternative








ETM0200H
RUN
ERR
I/O
SE
IN1
OUT1




Schneider
Electric
Modicon
BMXETM0200H
H Turbomachinery Frequency
Input 2 CH
DOM : XXXX