Product data sheet

Specifications



encoder interface module, Modicon X80, SSI, 3 channels, up to 31databits, 1Mbauds

BMXEAE0300

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Encoder interface module
Function Available	Offset Compare Modulo Reduction Capture
Number of channels	3 SSI channel
Number of outputs	1 24 V DC reflex digital output for each SSI channel
Number of inputs	2 24 V DC capture digital inputs for the 3 SSI channels

Complementary

Data format	8...31 bits
Transmission Rate	500 kbauds 200 kbauds 1 Mbauds 100 kbauds
Refresh time	1 ms
Input compatibility	24 V DC SSI absolute encoder 19.2…30 V)200 mA per channel
Dielectric strength	1400 V DC 60 s
[Us] rated supply voltage	19.2...30 V DC, <30 mA 24 V DC, <30 mA typical)
Protection type	Overvoltage protection DC
Current consumption	150 mA 3.3 V DC back plane, (typical) 250 mA 3.3 V DC back plane, (maximum)
Product Weight	0.304 lb(US) (0.138 kg)

Environment

Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Operating altitude	0...13123.36 ft (0...4000 m)
IP Degree of Protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product certifications	CE RCM CSA EAC Merchant Navy UL

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

Standards	IEC 61010-2-201 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3595864126685
Returnability	Yes
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	4.331 in (11.000 cm)
Package 1 Length	4.528 in (11.500 cm)
Package weight(Lbs)	5.891 oz (167.000 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	6.173 lb(US) (2.800 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	**48 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**22 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]	**25 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

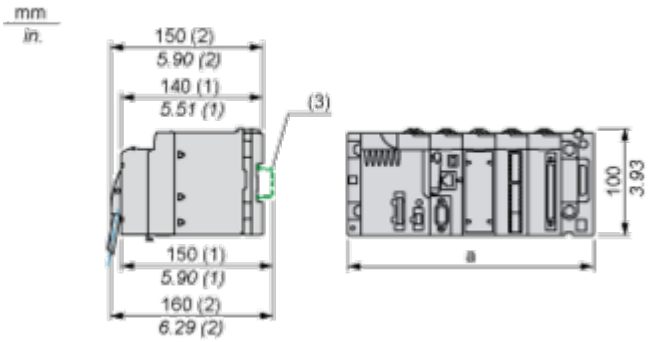
Repack and remanufacture

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

Dimensions Drawings

Modules Mounted on Racks

Dimensions



(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connections and Schema

Wiring Diagram

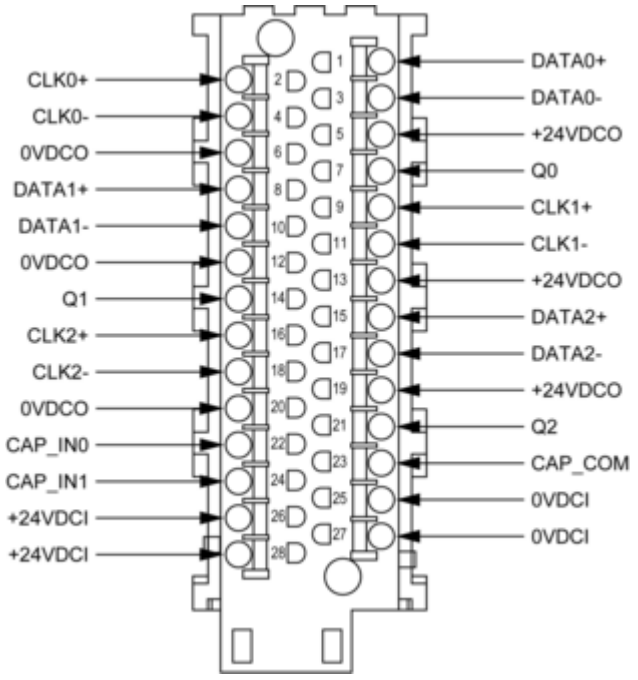


Image of product / Alternate images

Alternative






SN:XXXXXXXXXXX
PV:XX SV:XX RL:XX





