Product data sheet
Characteristics

BMXAMO0410
Analog isolated high level output module, Modicon X80, 4 outputs, 0 to 20mA, 4 to 20mA, 10V positive or negative



Main

Range of product	Modicon X80
Product or component type	Analog output module
Electrical connection	20 ways 1 connector
Input output isolation	Isolated

Complementary

Measurement error	<= 0.2 % of full scale 0...60 °C 0.1 % of full scale 25 °C
Temperature drift	45 ppm/°C +/- 10 V 45 ppm/°C 0...20 mA 45 ppm/°C 4...20 mA
Minimum crosstalk attenuation	80 DB
Common mode rejection	100 DB
Isolation voltage	1400 V DC between channels and ground 1400 V DC between channels and bus 750 V DC between channels
Detection type	Open circuit 0...20 mA Open circuit 4...20 mA Short circuit +/- 10 V
Load impedance ohmic	>= 1000 Ohm +/- 10 V <= 500 Ohm 0...20 mA <= 500 Ohm 4...20 mA
Output level	High level
Analogue output number	4
Analogue output type	Current: 0...20 mA Current: 4...20 mA Voltage: +/- 10 V
Analogue output resolution	15 bits + sign
Supply	Internal power supply via rack
Conversion time	<= 1 ms
Maximum conversion value	0...21 mA 0...20 mA 0...21 mA 4...20 mA +/- 10.5 V +/- 10 V
Fallback mode	Configurable Predefined
MTBF reliability	1000000 H
Operating altitude	0...2000 m 2000...5000 m with derating factor

Status LED	1 LED (green) RUN 1 LED per channel (green) channel diagnostic 1 LED (red) ERR 1 LED (red) I/O
Net weight	0.15 Kg
Power consumption in W	3 W 24 V DC typical 3.6 W 24 V DC maximum 0.45 W 3.3 V DC typical 0.51 W 3.3 V DC maximum
Current consumption	150 mA at 3.3 V DC 140 mA at 24 V DC

Environment

Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40…85 °C
Ambient air temperature for operation	0…60 °C
Relative humidity	5…95 % at 55 °C without condensation
IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product certifications	CE[RETURN]RCM[RETURN]CSA[RETURN]EAC[RETURN]Merchant Navy[RETURN]UL
Standards	IEC 61010-2-201 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
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	11.000 Cm
Package 1 Length	11.500 Cm
Package 1 Weight	211.000 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	3.480 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	240
Package 3 Height	75.000 Cm
Package 3 Width	60.000 Cm
Package 3 Length	80.000 Cm
Package 3 Weight	66.000 Kg

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	205 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	26.9594060606
Carbon footprint of the manufacturing phase [A1 to A3]	27 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0275911273
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0561848242
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	177.3396368715
Carbon footprint of the use phase [B2, B3, B4, B6]	177 kg CO2 eq.

Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.3744035152
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	205
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, w
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised