Product data sheet
Characteristics

BMXAMO0802
Analog high level output module, Modicon X80, 8 outputs, 0 to 20mA, 4 to 20mA



Main

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

Complementary

Analogue input resolution	16 bits
Measurement error	<= 0.25 % of full scale 0...60 °C 0.1 % of full scale 25 °C
Temperature drift	45 ppm/°C 0...20 mA 45 ppm/°C 4...20 mA
Minimum crosstalk attenuation	80 DB
Common mode rejection	80 DB
Isolation voltage	1400 V DC between channels and ground 1400 V DC between channels and bus
Detection type	Open circuit 4...20 mA Short circuit 0...20 mA
Load impedance ohmic	<= 350 Ohm 0...20 mA <= 350 Ohm 4...20 mA
Output level	High level
Analogue output number	8
Analogue output type	Current: 0...20 mA Current: 4...20 mA
Analogue output resolution	16 bits
Supply	Internal power supply via rack
Conversion time	<= 4 ms
Maximum conversion value	0...21 mA 0...20 mA 0...21 mA 4...20 mA
Fallback mode	Configurable Predefined
MTBF reliability	1500000 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	3.6 W 24 V DC typical 3.9 W 24 V DC maximum 0.35 W 3.3 V DC typical 0.48 W 3.3 V DC maximum
Current consumption	150 mA at 3.3 V DC 135 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	5.300 Cm
Package 1 Width	11.000 Cm
Package 1 Length	11.600 Cm
Package 1 Weight	169.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	2.880 Kg

Offer Sustainability

Recyclability potential, in %	3
Total lifecycle Carbon footprint	225 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	21.5930787879
Carbon footprint of the manufacturing phase [A1 to A3]	22 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0220990545
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0450011152
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	203.0410335196
Carbon footprint of the use phase [B2, B3, B4, B6]	203 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.299877697
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	225
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