



### 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	$\leq 0.2\%$ of full scale 0...60 °C $0.1\%$ of full scale 25 °C
Temperature drift	30 ppm/°C
Recalibration	Factory calibrated
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	$\leq 600$ Ohm 0...20 mA $\leq 600$ Ohm 4...20 mA $\geq 1000$ Ohm +/- 10 V
Output level	High level
Analogue output number	2
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	$\leq 1$ ms
Maximum conversion value	+/- 11.25 V +/- 10 V 0...24 mA 0...20 mA 0...24 mA 4...20 mA
Fallback mode	Predefined Configurable
Protective treatment	TC
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:

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Net weight	0.144 Kg
Power consumption in W	2.3 W 24 V DC typical 2.8 W 24 V DC maximum 0.35 W 3.3 V DC typical 0.48 W 3.3 V DC maximum

## 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 2012/19/EU - WEEE directive
Product certifications	UL EAC CSA RCM Merchant Navy CE
Standards	EN 61131-2 EN 61000-6-4 EN 61000-6-2 EN 61010-2-201

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**