



### Main

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

### Complementary

Measurement error	$\leq 0.25\%$ 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
Common mode between channels	$\geq 80$ 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	$\leq 350$ Ohm 0...20 mA $\leq 350$ 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	$\leq 4$ ms
Maximum conversion value	0...21 mA 0...20 mA 0...21 mA 4...20 mA
Fallback mode	Configurable Predefined
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m with derating factor

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

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	3.4 W 24 V DC typical 3.7 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	EAC CSA CE RCM UL Merchant Navy
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
----------	-----------