Product data sheet

Specification





distributed analog output Modicon Momentum - 4 Output - 0..20 mA

170AAO12000

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon Momentum automation platform	
Product or Component Type	Analogue output base	

Complementary

Analogue output number	4
Data format	Full 16 bits signed
Analogue output range	+/- 10 V 12 bits + sign >= 1 kOhm 020 mA 12 bits + sign <= 0.6 kOhm
Maximum load capacitance	1 μF
Absolute accuracy error	+/- 0.2 % of full scale +/- 10 V 77.0000000000 °F (25 °C) +/- 0.25 % full scale +/- 10 V 140.0000000000 °F (60 °C) +/- 0.3 % of full scale 020 mA 77.0000000000 °F (25 °C) +/- 0.4 % of full scale 020 mA 140.0000000000 °F (60 °C)
Temperature drift	10 %oFS/°C +/- 10 V 140.0000000000 °F (60 °C) 30 %oFS/°C 020 mA 140.0000000000 °F (60 °C)
Update time	2 ms
Full scale	10 V +/- 10 V 2 mA 020 mA
Fail state	Reset to full scale Hold Reset to zero
Isolation between channels and ground	500 V AC for 1 minute
Maximum power dissipation in W	8.5 W
Protection type	Internal 2 A slow-blow
Output short-circuit protection	With in voltage circuit
External power requirement	+/- 30 V DC 24 V DC
Permissible common mode voltage	250 V 4763 Hz AC between channels to ground 250 V 4763 Hz DC
Reverse polarity protection	Internal
marking	CE
Local signalling	for channel status 4 LEDs
Current consumption	150 mA 24 V DC actuator 530 mA 24 V DC base
Module format	Standard
Height	4.9 in (125 mm)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Depth	1.9 in (47.5 mm)
Width	5.6 in (141.5 mm)
Net Weight	0.474 lb(US) (0.215 kg)

Environment

Product Certifications	UL
	CSA
protective treatment	TC
Resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	9.1 V/m (10 V/m) 801000 MHz IEC 801-3
Ambient Air Temperature for Operation	32.000000000140.0000000000 °F (060 °C)
Ambient Air Temperature for Storage	-40.0000000000185.0000000000 °F (-4085 °C)
Relative Humidity	95 % without condensation
Operating altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	US1PC3118206
Discount Schedule	PC31
GTIN	3595861147713
Returnability	No
Country of origin	US

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.2 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.04 in (25.5 cm)
Package 1 Weight	7.4 oz (210.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	4.6 lb(US) (2.1 kg)
Unit Type of Package 3	PAL
Number of Units in Package 3	80
Package 3 Height	23.6 in (60.0 cm)
Package 3 Width	31.5 in (80.0 cm)
Package 3 Length	31.5 in (80.0 cm)
Package 3 Weight	37.04 lb(US) (16.8 kg)

Contractual warranty

Warranty

18 months

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

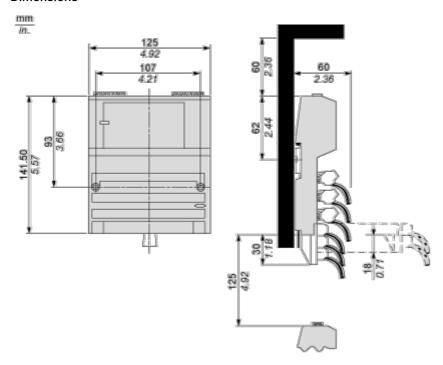
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
	2.13 5. 2.15

Jul 11, 2024

Dimensions Drawings

Standard Adapter on a Typical Base

Dimensions

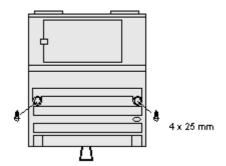


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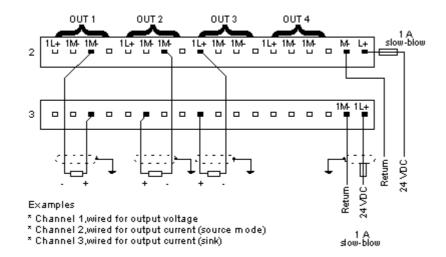
Mounting and Clearance

Mounting on a Wall



Connections and Schema

External Wiring Diagram



Internal Pin Connections

