# **Product data sheet**

Specification





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

170AAO12000

Modicon Momentum automation platform

Analogue output base

10 V +/- 10 V 2 mA 0...20 mA

Hold Reset to zero

8.5 W

Reset to full scale

500 V AC for 1 minute

Internal 2 A slow-blow

530 mA 24 V DC base

4.92 in (125 mm)

Standard

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

### Main

Full Scale

Fail State

Ground

**Protection Type** 

Module Format

Height

Isolation Between Channels And

Maximum Power Dissipation In W

Range Of Product

**Product Or Component Type** 

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 °F (25 °C) +/- 0.25 % full scale +/- 10 V 140 °F (60 °C) +/- 0.3 % of full scale 020 mA 77 °F (25 °C) +/- 0.4 % of full scale 020 mA 140 °F (60 °C)	
Temperature Drift	10 %oFS/°C +/- 10 V 140 °F (60 °C) 30 %oFS/°C 020 mA 140 °F (60 °C)	
Update Time	2 ms	

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

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



Depth	1.87 in (47.5 mm)
Width	5.57 in (141.5 mm)
Net Weight	0.47 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	9.14 V/m (10 V/m) 801000 MHz IEC 801-3
Ambient Air Temperature For Operation	32140 °F (060 °C)
Ambient Air Temperature For Storage	-40185 °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**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 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	7.41 oz (210.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	10
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	4.63 lb(US) (2.1 kg)
Unit Type Of Package 3	PAL
Number Of Units In Package 3	80
Package 3 Height	23.62 in (60.0 cm)
Package 3 Width	31.50 in (80.0 cm)
Package 3 Length	31.50 in (80.0 cm)
Package 3 Weight	37.04 lb(US) (16.8 kg)

# **Contractual warranty**

Warranty

18 months

# Sustainability Green Premium

**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> 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

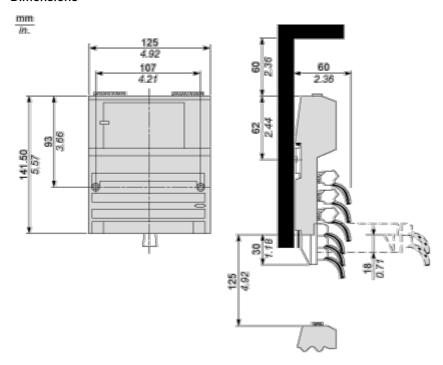
### **Certifications & Standards**

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.
Weee Circularity Profile	, , , , , , , , , , , , , , , , , , , ,

## **Dimensions Drawings**

### Standard Adapter on a Typical Base

#### **Dimensions**

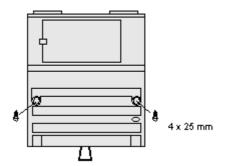


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## 170AAO12000

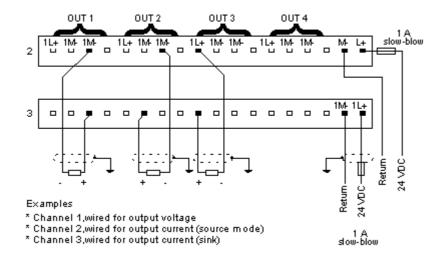
Mounting and Clearance

### Mounting on a Wall



#### Connections and Schema

#### **External Wiring Diagram**



### **Internal Pin Connections**

