Product data sheet

Specifications



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

170AAO12000

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon Momentum automation platform
Product or Component Type	Analogue output base
Analogue output number	4

Complementary

Data format	Full 16 bits signed
Analogue output range	+/- 10 V 12 bits + sign >= 1 kOhm 0...20 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 0...20 mA 77 °F (25 °C) +/- 0.4 % of full scale 0...20 mA 140 °F (60 °C)
Update time	2 ms
Full scale	10 V +/- 10 V 2 mA 0...20 mA
Fail state	Reset to full scale Hold Reset to zero
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 47...63 Hz AC between channels to ground 250 V 47...63 Hz DC
Reverse polarity protection	Internal
Module format	Standard
Temperature drift	10 %oFS/°C 30 %oFS/°C
Typical current consumption	150 mA 24 V DC 530 mA 24 V DC
Power dissipation in W	8.5 W
Isolation between channels and ground	500 V AC
Local signalling	4 LEDs channel status
Height	4.9 in (125 mm)
Width	5.6 in (141.5 mm)
Depth	1.9 in (47.5 mm)

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

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

Product Weight	0.474 lb(US) (0.215 kg)

Environment

Protective treatment	TC
Marking	CE
Product certifications	UL CSA
Ambient air temperature for operation	32…140 °F (0…60 °C)
Ambient air temperature for storage	-40…185 °F (-40…85 °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	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	7.087 in (18.000 cm)
Package 1 Length	10.039 in (25.500 cm)
Package weight(Lbs)	13.404 oz (380.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	9.317 lb(US) (4.226 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	441d5619-6318-4bbf-ac83-96d05888ee7e
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

Lifetime extension

Repair	No

Use Again

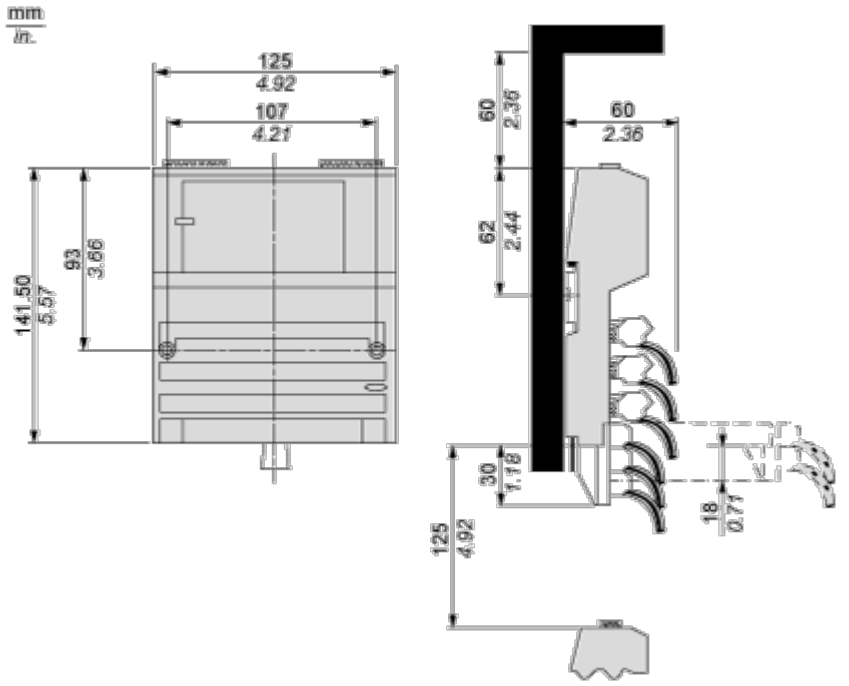
Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

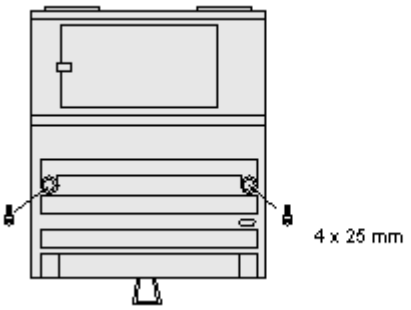
Standard Adapter on a Typical Base

Dimensions



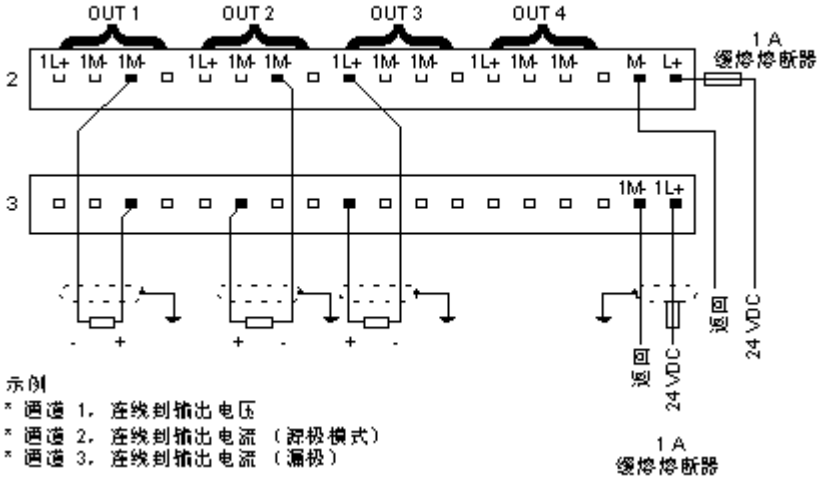
Mounting and Clearance

Mounting on a Wall



Connections and Schema

External Wiring Diagram



Internal Pin Connections

