

Product datasheet

Specifications



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

Local distributor code:

395517143

170AAO92100

EAN Code: 3595861147720

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 4...20 mA 12 bits + sign <= 0.6 kOhm
Maximum load capacitance	1 µF
Absolute accuracy error	+/- 0.2 % of full scale +/- 10 V 25 °C +/- 0.25 % full scale +/- 10 V 60 °C +/- 0.4 % of full scale 4...20 mA 25 °C +/- 0.5 % of full scale 4...20 mA 60 °C
Temperature drift	10 %oFS/°C +/- 10 V 60 °C 30 %oFS/°C 4...20 mA 60 °C
Update time	2 ms
Full scale	10 V +/- 10 V 2 mA 4...20 mA
Fail state	Hold Reset to full scale 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 47...63 Hz AC between channels to ground 250 V 47...63 Hz DC
Reverse polarity protection	Internal
Marking	CE
Local signalling	4 LEDs for channel status
Current consumption	150 mA at 24 V DC actuator 530 mA at 24 V DC base
Module format	Standard
Height	125 mm

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

Depth	47.5 mm
Width	141.5 mm
Product weight	0.215 kg

Environment

Product certifications	UL CSA
Protective treatment	TC
Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	375.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.75 kg
Unit Type of Package 3	P06
Number of Units in Package 3	80
Package 3 Height	75.0 cm
Package 3 Width	40.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	45 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty	18 months
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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
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	441d5619-6318-4bbf-ac83-96d05888ee7e
REACH Regulation	REACH Declaration

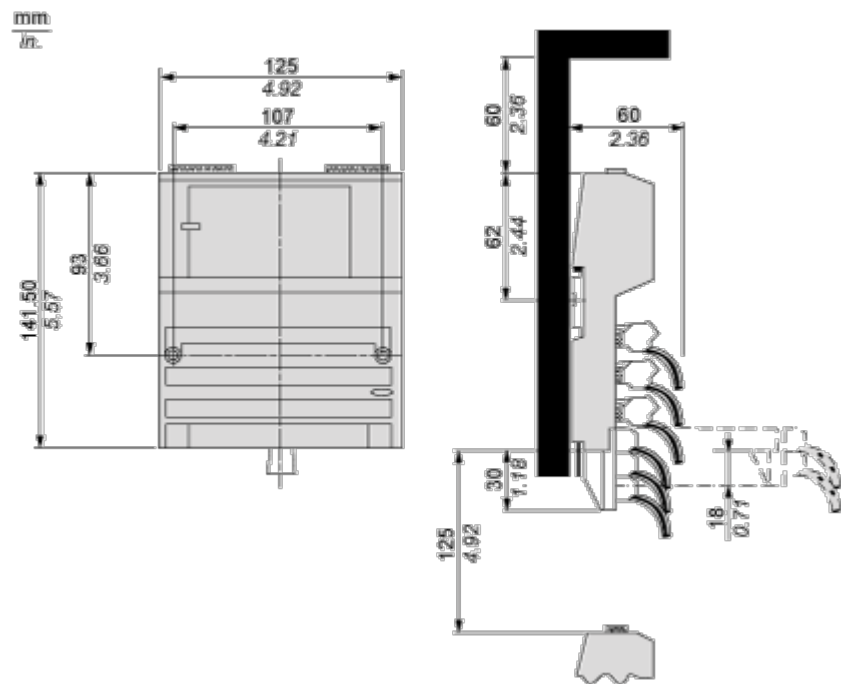
Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

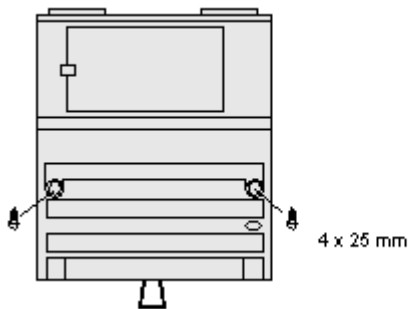
Standard Adapter on a Typical Base

Dimensions



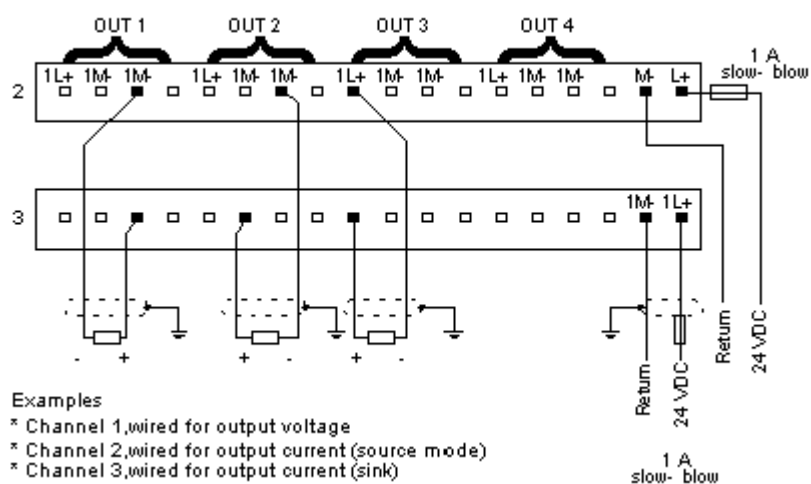
Mounting and Clearance

Mounting on a Wall



Connections and Schema

External Wiring Diagram



Internal Pin Connections

