



Main

Range of product	Modicon Momentum automation platform
Product or component type	Analogue input base
Analogue input number	8
Analogue input type	Differential
Analogue input range	+/- 20 mA 14 bits + sign 250 kOhm 4...20 mA 15 bits + sign 250 kOhm +/- 10 V 14 bits + sign > 0.1 kOhm +/- 5 V 14 bits + sign > 0.1 kOhm 1...5 V 15 bits + sign > 0.1 kOhm

Complementary

Data format	Full 16 bits signed
Absolute accuracy error	+/- 0.13 % full scale 77 °F (25 °C) 1...5 V +/- 0.19 % full scale 140 °F (60 °C) 1...5 V +/- 0.21 % full scale 77 °F (25 °C) +/- 5 V +/- 0.26 % full scale 140 °F (60 °C) +/- 5 V +/- 0.27 % full scale 77 °F (25 °C) +/- 10 V +/- 0.27 % full scale 77 °F (25 °C) 4...20 mA +/- 0.32 % full scale 77 °F (25 °C) +/- 20 mA +/- 0.32 % full scale 140 °F (60 °C) +/- 10 V +/- 0.38 % full scale 140 °F (60 °C) 4...20 mA +/- 0.41 % full scale 140 °F (60 °C) +/- 20 mA
Conversion time	12 ms 8
Isolation between channels	+/- 200 V DC for 1 minute
Isolation between channels and ground	500 V AC for 1 minute
Isolation between channels and bus	500 V AC for 1 minute
Permissible common mode voltage	100 V 47...63 Hz DC between channels to ground 250 V 47...63 Hz AC between channels to ground
Common mode rejection	> 80 dB between channels to ground
External power requirement	< 382 mA DC 20.4...28.8 V DC 24 V DC
Reverse polarity protection	Internal
Marking	CE
Local signalling	For ready 1 LED (green) For channel status 8 LEDs
Electrical connection	2 connectors for removable terminal blocks
Maximum Depth	1.87 in (47.5 mm)
Height	4.92 in (125 mm)
Width	5.57 in (141.5 mm)
Net Weight	0.47 lb(US) (0.215 kg)

Environment

Standards	EN 50081-2 IEC 1131
Product certifications	FM Class 1 Division 2 CSA UL
Protective treatment	TC
Resistance to electrostatic discharge	4 KV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz conforming to IEC 801-3
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	18206 - MOMENTUM PROCESSORS,I/O BASES,CONN.
Discount Schedule	PC31
GTIN	00785901328513
Nbr. of units in pkg.	1
Package weight(Lbs)	0.84 lb(US) (0.38 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)

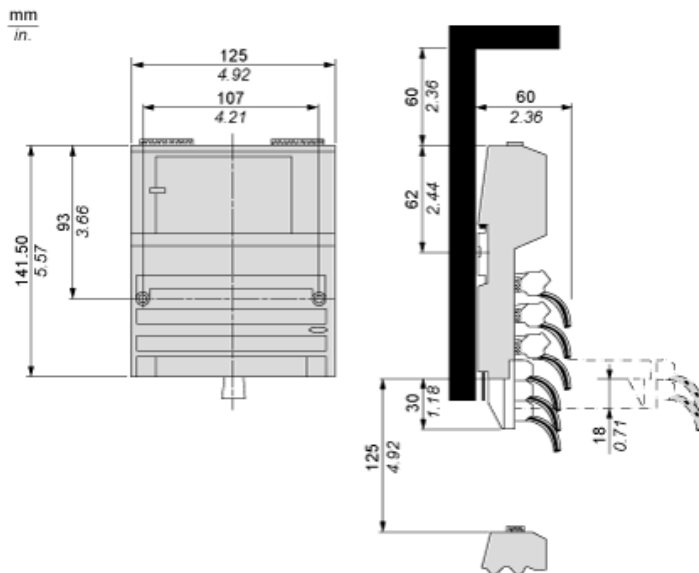
Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

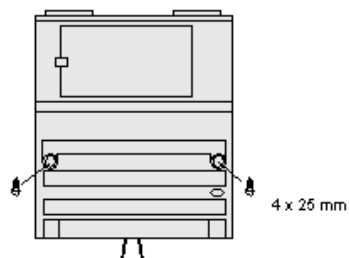
Contractual warranty

Warranty	18 months
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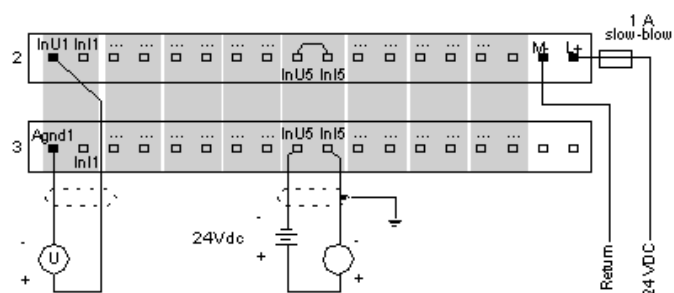
Dimensions



Mounting on a Wall



External Wiring Diagram



Examples

- * Channel1, wired for voltage input
- * Channel 5, wired for current input

Internal Pin Connections

