



Main

Range of product	Modicon Momentum automation platform
Product or component type	High speed counter module base
Group of channels	2 groups of 3 discrete inputs 2 groups of 2 discrete outputs
Number of counter	2
Discrete input number	6
Discrete output number	4

Complementary

Discrete input logic	Positive
Discrete input voltage	- 3...30 V DC 24 V DC
Input overvoltage protection	45 V 10 s
Voltage state 1 guaranteed	≥ 11 V
Voltage state 0 guaranteed	≤ 5 V
Current state 1 guaranteed	≥ 2.5 mA
Current state 0 guaranteed	≤ 1.2 mA
Discrete output logic	Positive
Discrete output voltage	24 V
Discrete output current	1 A per counter 2 A per module 0.5 A per point
Maximum voltage drop	< 0.5 V 0.5 A at state on
Maximum leakage current	1 mA DC 24 V
Surge current	5 A 1 ms
Response time	< 0.1 ms from state 0 to state 1 output circuit < 0.1 ms from state 1 to state 0 output circuit 3 ms from state 0 to state 1 input circuit 3 ms from state 1 to state 0 input circuit
Counting input type	Absolute SSI up, down with 4 sub-modes Incremental up, down, quadrature
Counting input voltage	24 V single ended 5 V differential
Counting frequency	10 KHz single ended 200 kHz differential
Counter inputs resolution	24 bits + sign
Counter configuration	Via comm adapter
Marking	CE
Electrical connection	2 connectors for removable terminal blocks
Current consumption	280 mA at 24 V DC
Net weight	0.21 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 Weight	359 g
Package 1 Height	5.5 cm
Package 1 width	18 cm
Package 1 Length	26 cm
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Weight	2.872 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

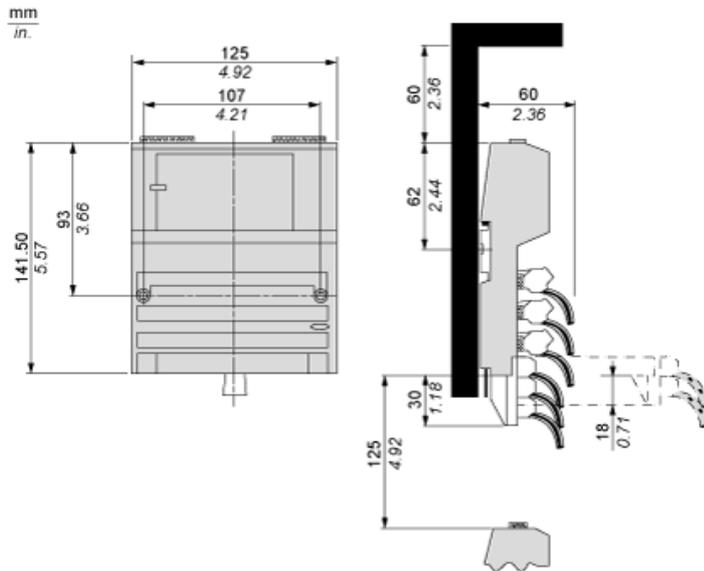
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product 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

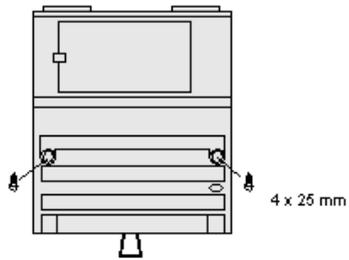
Warranty	18 months
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Standard Adapter on a Typical Base

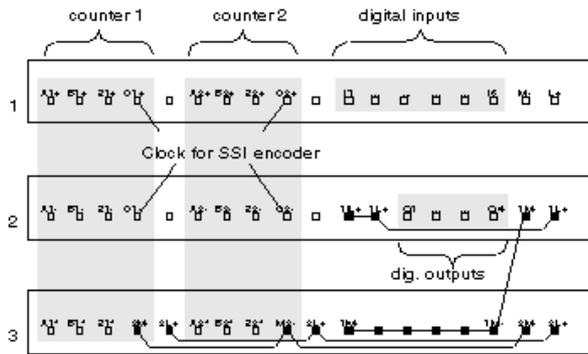
Dimensions



Mounting on a Wall

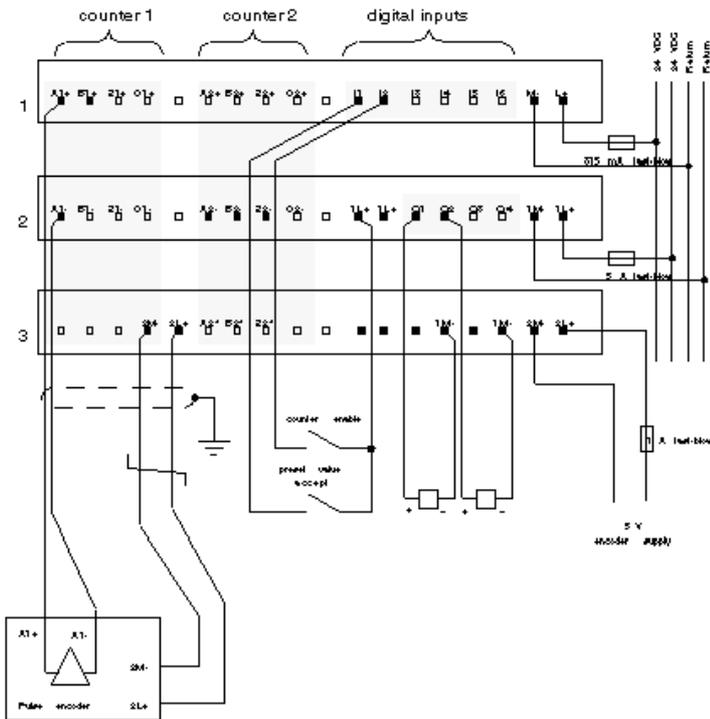


Internal Pin Connections

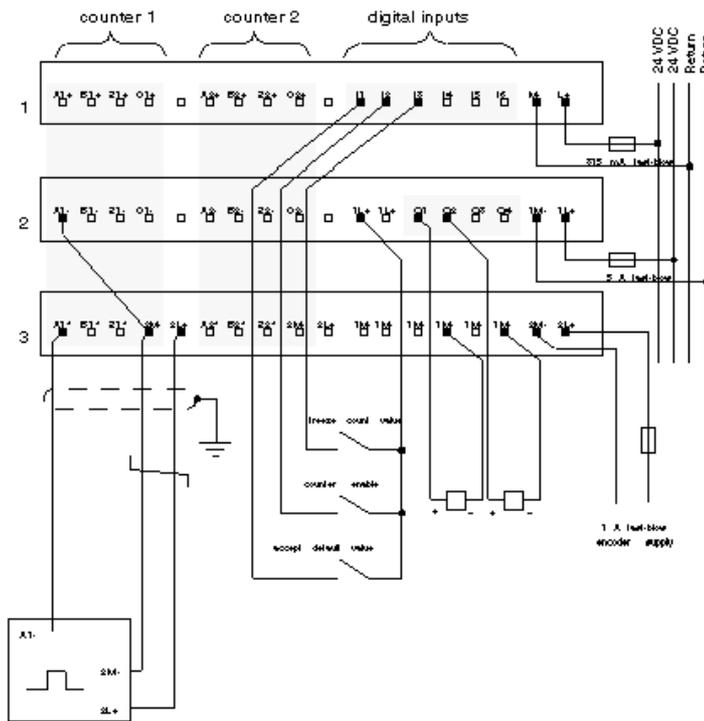


External Wiring Diagrams

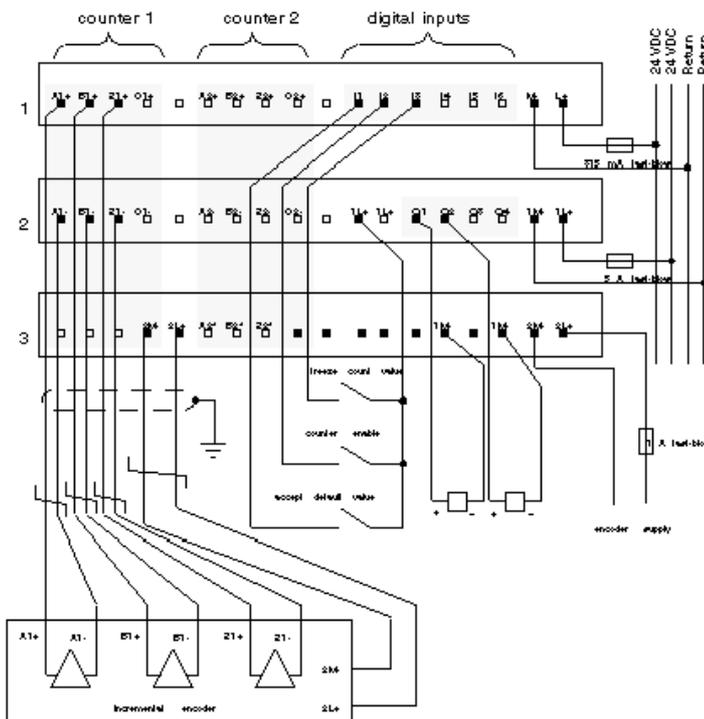
Example for Pulse Encoder (5 V)



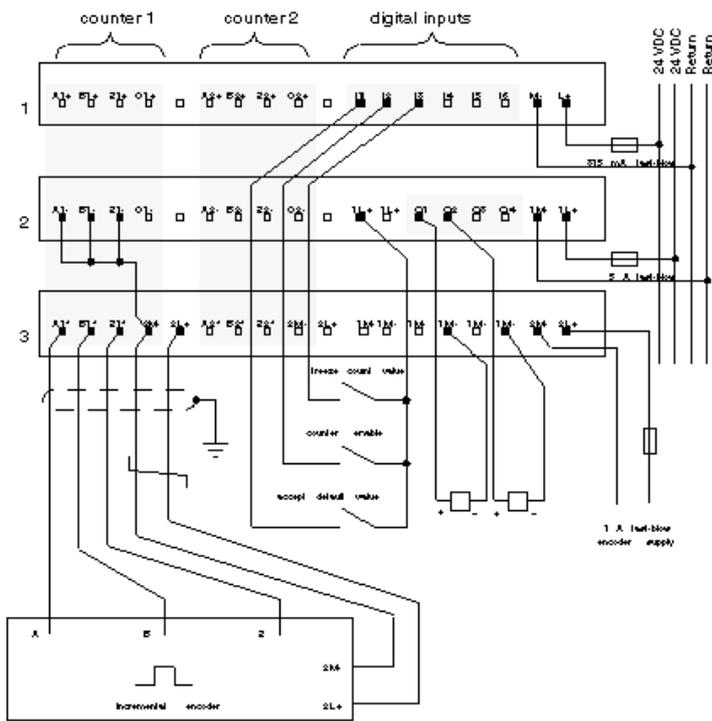
Example for Pulse Encoder (24 V)



Example for Incremental Encoders (RS 422)



Example for 24 V Pulse Encoder on A, B, and R Lines



Example for Absolute Encoders with Actuators

