



Main

Range of product	Modicon Momentum automation platform
Product or component type	High speed counter module base
Group of channels	2 groups of 2 discrete outputs 2 groups of 3 discrete inputs
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
Voltage drop	< 0.5 V 0.5 A at state on
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 24 V DC
Product weight	0.21 kg

Environment

product certifications	CSA UL
protective treatment	TC

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

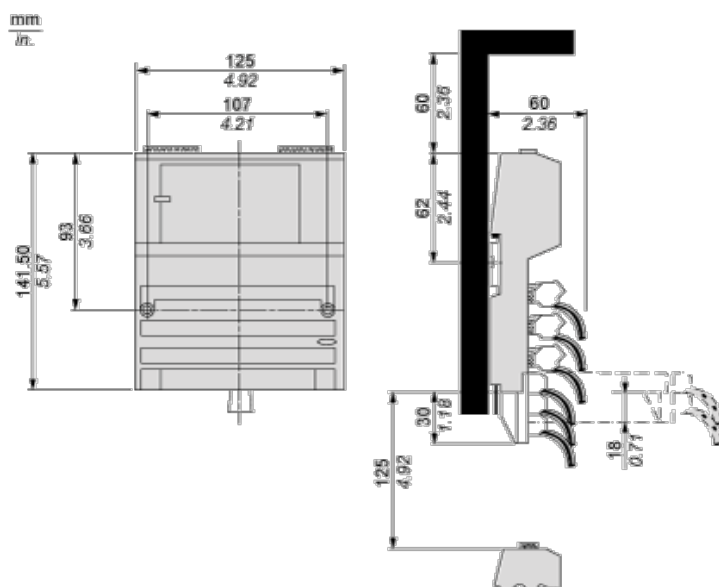
resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
resistance to electromagnetic fields	10 V/m 80...1000 MHz IEC 801-3
ambient air temperature for operation	0...60 °C
ambient air temperature for storage	-40...85 °C
relative humidity	95 % without condensation
operating altitude	<= 5000 m

Offer Sustainability

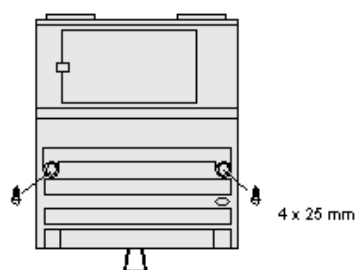
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Standard Adapter on a Typical Base

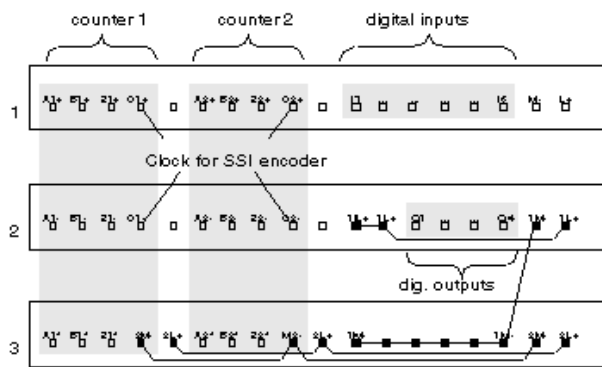
Dimensions



Mounting on a Wall

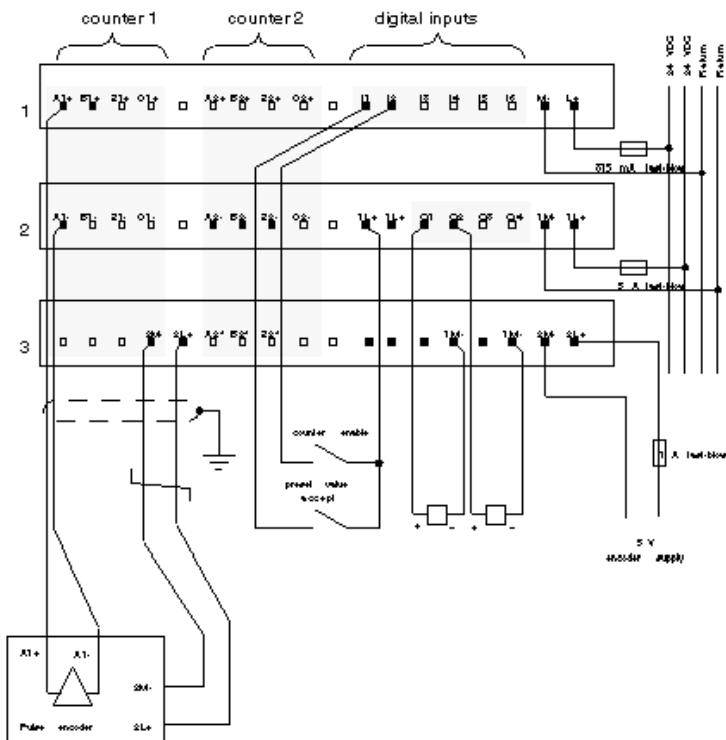


Internal Pin Connections

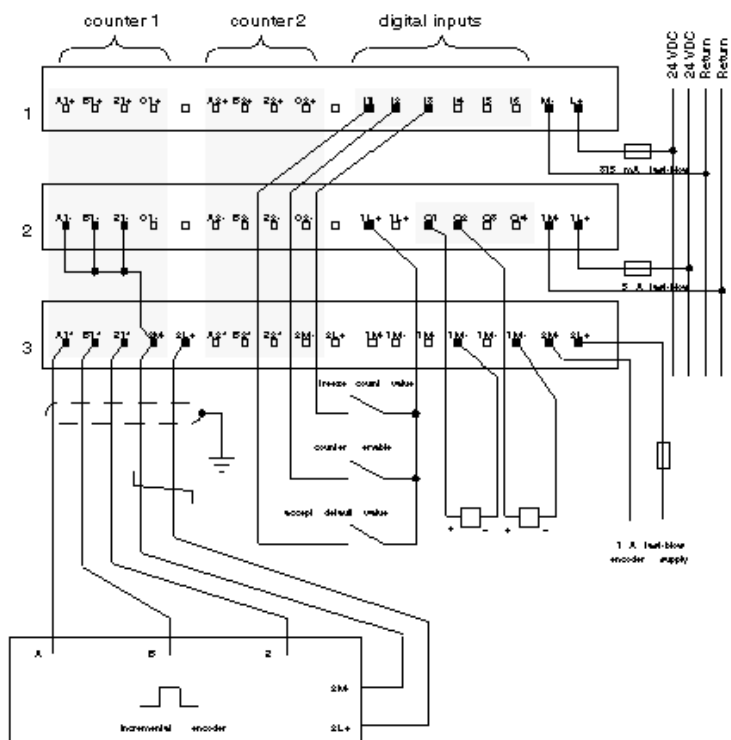


External Wiring Diagrams

Example for Pulse Encoder (5 V)



Example for Pulse Encoder (24 V)



Example for Absolute Encoders with Actuators

