



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	24 V DC - 3...30 V DC
Maximum overvoltage on input	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	0.5 A per point 2 A per module 1 A per counter
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	3 ms from state 1 to state 0 input circuit 3 ms from state 0 to state 1 input circuit < 0.1 ms from state 1 to state 0 output circuit < 0.1 ms from state 0 to state 1 output circuit
Counting input type	Incremental up, down, quadrature Absolute SSI up, down with 4 sub-modes
Counting input voltage	5 V differential 24 V single ended
Counting frequency	≤ 200 kHz differential ≤ 10 kHz single ended
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
Resistance to electrostatic discharge	8 kV on air IEC 801-2 4 kV contact 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	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity

Standard Adapter on a Typical Base

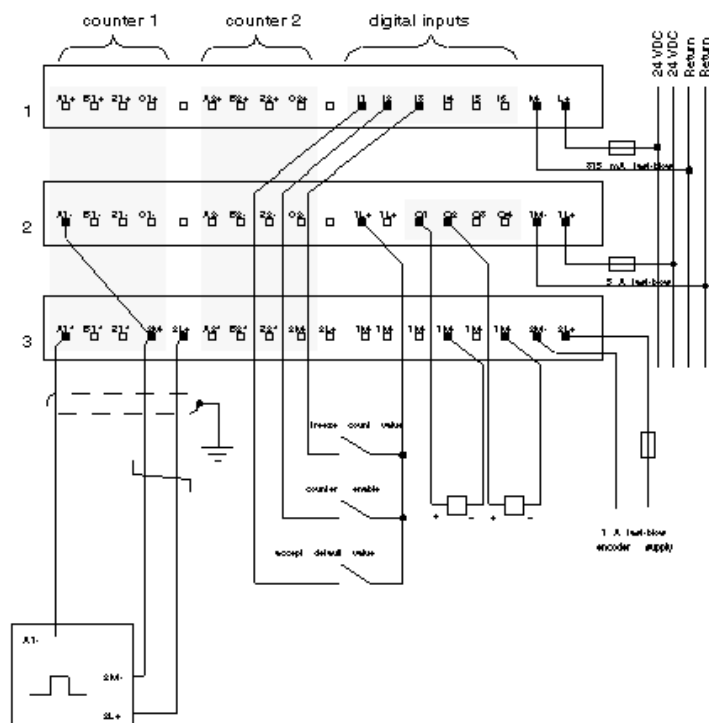
Dimensions



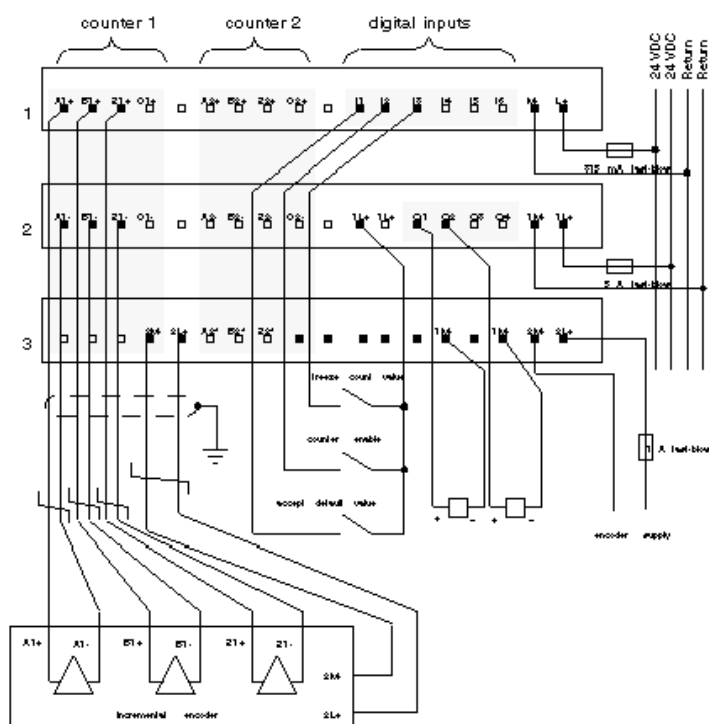
Mounting on a Wall



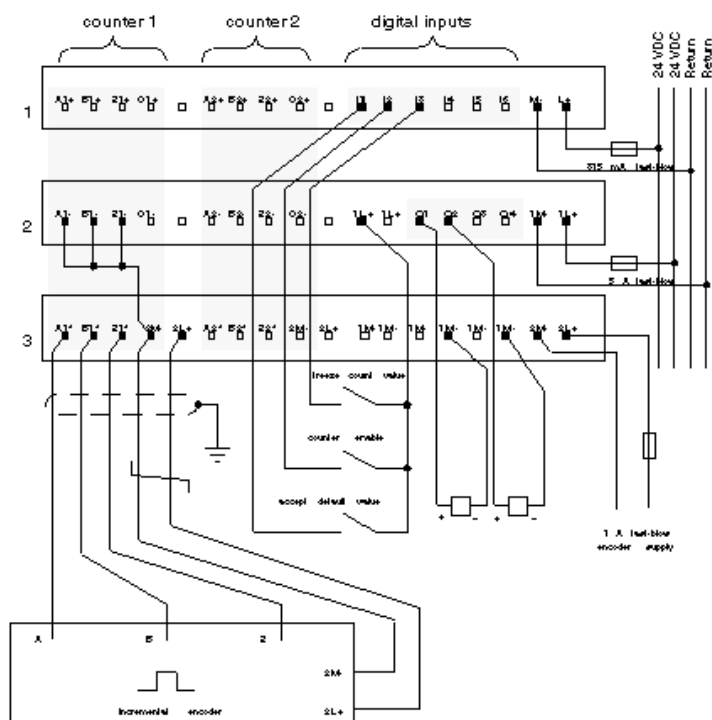
Example for Pulse Encoder (24 V)



Example for Incremental Encoders (RS 422)



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



Example for Absolute Encoders with Actuators

