



Main

Range of product	Modicon Momentum automation platform
Product or component type	Discrete inputs base DC
Group of channels	1 group of 16 inputs
Discrete input number	16 IEC 1131-2 Type 1
Discrete input voltage	24 V DC
Protective treatment	Conformal coating Humiseal 1A33 TC

Complementary

Discrete input logic	Positive
Input voltage limits	24 V
Voltage range	- 3...30 V
Voltage state 0 guaranteed	-3...5 V
Voltage state 1 guaranteed	11...30 V
Current state 0 guaranteed	<= 1.2 mA
Current state 1 guaranteed	>= 2.5 mA
Input resistance	4 kOhm
Response time	3.3 ms from state 1 to state 0 2.2 ms from state 0 to state 1
Isolation between channels and bus	500 V AC
Power dissipation	3 W typical 5 W maximum
Marking	CE
Local signalling	16 LEDs channel status
Current consumption	<= 250 mA 24 V DC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Product weight	0.19 kg

Environment

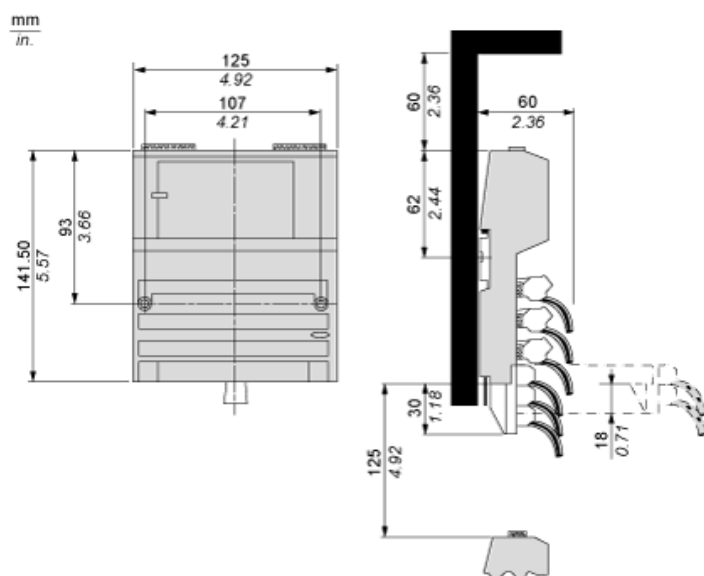
Product certifications	CSA FM Class 1 Division 2 UL
Resistance to electrostatic discharge	8 kV on air IEC 801-2 4 kV contact IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Offer Sustainability

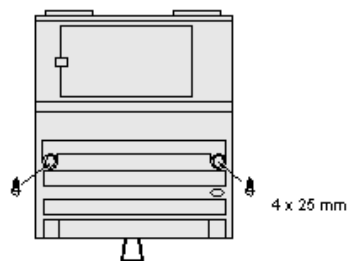
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will be Compliant on 4Q2013

Standard Adapter on a Typical Base

Dimensions

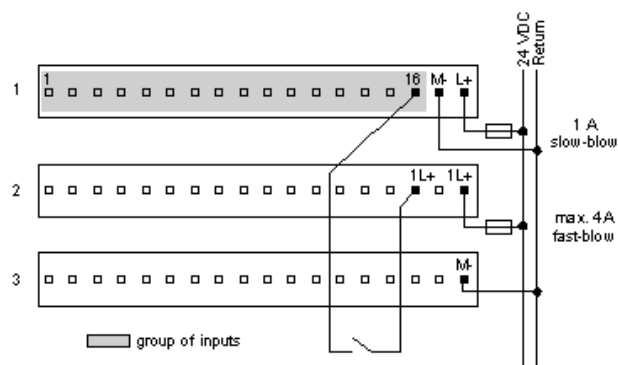


Mounting on a Wall

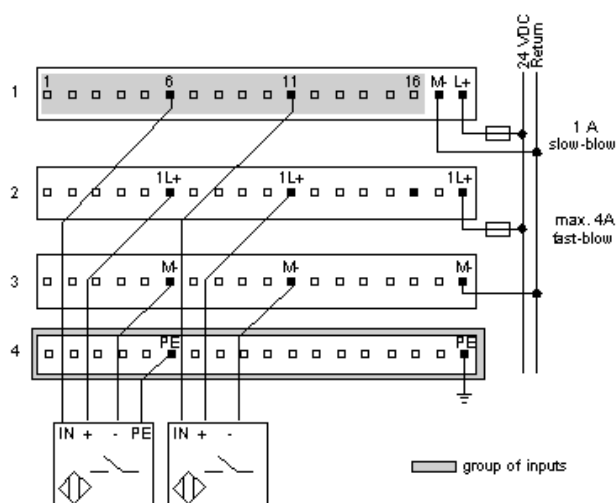


External Wiring Diagrams

2-Wire Device



3- and 4-Wire Devices



Internal Pin Connections

Rows 1 through 3 show the internal connections between terminals on the I/O base. Row 4 shows the internal connections on the optional busbar.

