



Main

Range of product	Modicon Momentum automation platform
Product or component type	Discrete relay I/O base AC
Group of channels	1 group of 10 inputs 2 groups of 4 outputs
Discrete input number	10 IEC 1131-2 Type 1
Discrete input logic	Positive
Discrete input voltage	24...230 V AC
Discrete output number	8
Discrete output type	Relay normally open
Discrete output voltage	24...230 V AC
Protective treatment	TC

Complementary

[Us] rated supply voltage	120 V AC
Input voltage limits	- 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
Discrete output current	>= 0.005 A 24 V <= 2 mA 24 V resistive <= 1 mA 24 V inductive <= 0.5 mA 115 V resistive <= 0.15 mA 115 V inductive
Output overload protection	External by varistor in parallel with each contact
Output short-circuit protection	External by varistor in parallel with each contact
Mechanical durability	<= 30000000 cycles
Electrical durability	<= 100000 cycles inductive
Response time	3.3 ms from state 1 to state 0 on input 2.2 ms from state 0 to state 1 on input 10 ms 60 Hz from state 1 to state 0 on output 10 ms 60 Hz from state 0 to state 1 on output
Isolation between output channels group	1780 V AC
Isolation between group of I/O channels	1780 V AC
Isolation between channels and bus	500 V AC
Power dissipation	<= 8.5 W 5.5 W
Protection type	Without protection
Associated fuse rating	4 A fast blow operating voltage
Marking	CE

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.

Terminals description PLC n°1	(1)IN_DIS#1 (10)IN_DIS#10 (2)IN_DIS#2 (3)IN_DIS#3 (4)IN_DIS#4 (5)IN_DIS#5 (6)IN_DIS#6 (7)IN_DIS#7 (8)IN_DIS#8 (9)IN_DIS#9 (L1)PW (N)PW TB
Terminals description PLC n°2	(1)OUT_DIS#1 (1L+)PW (2)OUT_DIS#2 (2L1)PW (3)OUT_DIS#3 (4)OUT_DIS#4 (5)OUT_DIS#5 (6)OUT_DIS#6 (7)OUT_DIS#7 (8)OUT_DIS#8 TB_1
Current consumption	5 mA 120 V AC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Product weight	0.26 kg

Environment

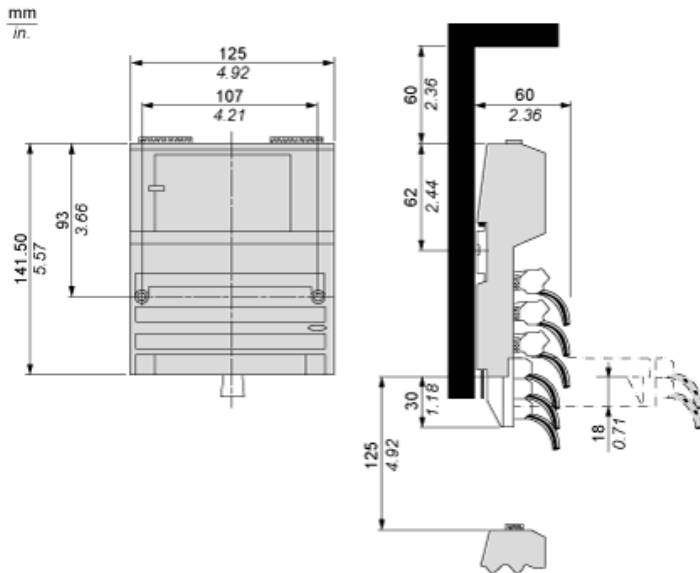
Product certifications	CSA FM Class 1 Division 2 UL
Resistance to electrostatic discharge	8 kV on air IEC 801-2 4 kV contact IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative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

Offer Sustainability

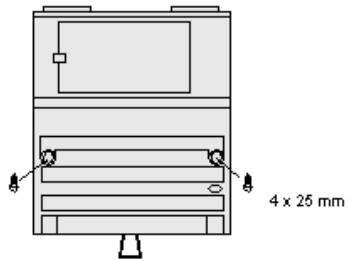
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will be Compliant on 4Q2013

Standard Adapter on a Typical Base

Dimensions

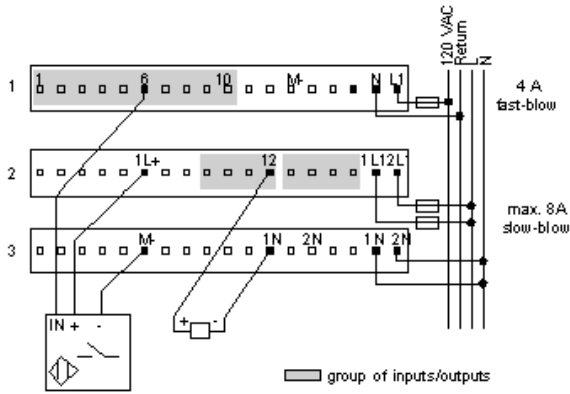


Mounting on a Wall

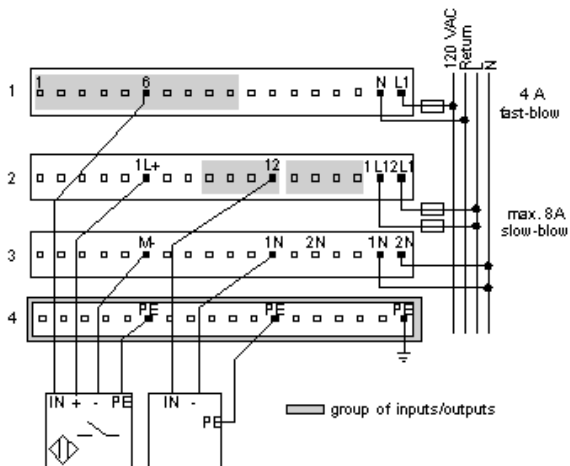


External Wiring Diagrams

3-Wire Sensor with a 2-Wire Actuator



4-Wire Sensor with a 3-Wire Actuator



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.

