



Main

Range of product	Modicon Momentum automation platform
Product or component type	Discrete relay I/O base DC
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	20...115 V AC
Discrete output number	8
Discrete output type	Relay normally open
Discrete output voltage	20...115 V DC
Protective treatment	TC

Complementary

[Us] rated supply voltage	24 V DC
Input voltage limits	- 3...30 V
Network frequency	47...63 Hz
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
Leakage current	< 1 mA 230 V output circuit
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 channels and bus	500 V AC
Power dissipation	<= 8.5 W 5.5 W
Protection type	Without protection
Associated fuse rating	375 mA fast blow operating voltage <= 8 A slow-blow output voltage per group <= 4 A fast blow input voltage
Marking	CE

Terminals description PLC n°1	(1)IN_DIS#1 (10)IN_DIS#10 (1L+)PW_POS (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 (L+)PW_POS (M-)PW_NEG 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	250 mA 24 V DC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Product weight	0.26 kg

Environment

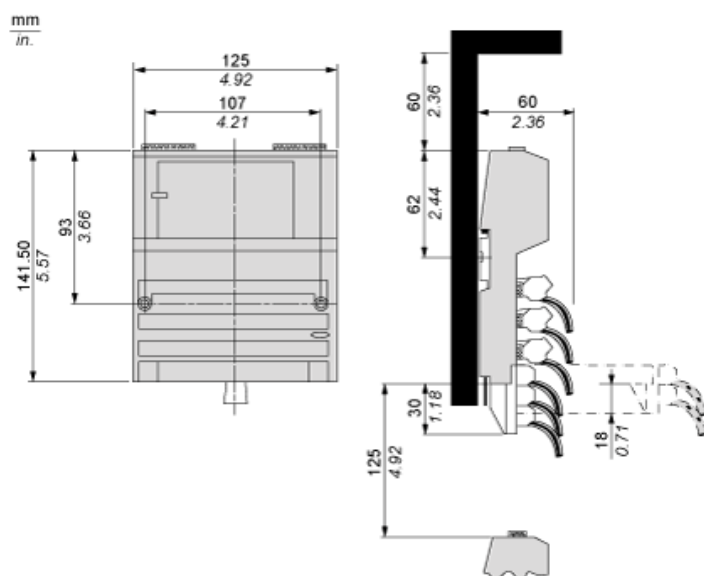
Product certifications	CSA UL
Resistance to electrostatic discharge	8 kV on air IEC 801-2 4 kV contact IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without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

Offer Sustainability

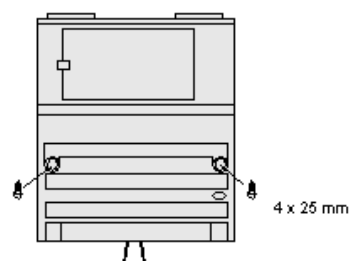
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will be Compliant on 4Q2013

Standard Adapter on a Typical Base

Dimensions

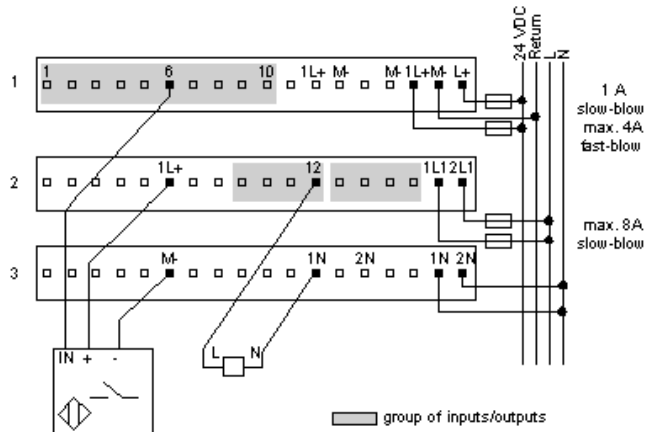


Mounting on a Wall

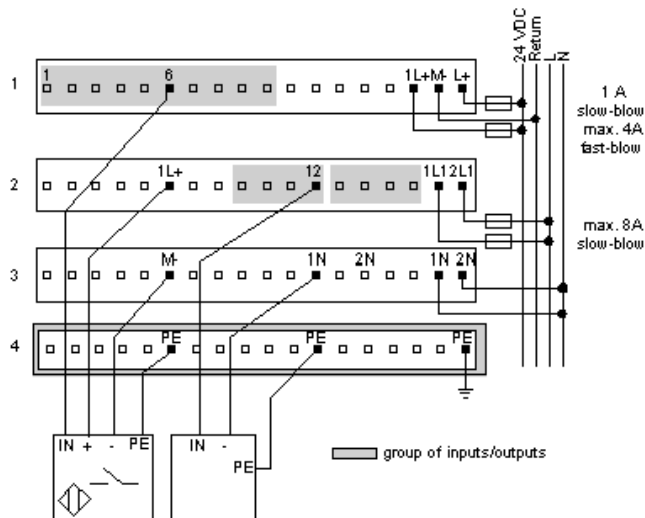


External Wiring Diagrams

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.

