



Main

Range of product	Modicon Momentum automation platform
Product or component type	Discrete solid state I/O base DC
Group of channels	1 group of 16 inputs 1 group of 4 outputs 1 group of 8 outputs
Discrete input number	16 IEC 1131-2 Type 1
Discrete input logic	Positive
Discrete input voltage	24 V DC
Discrete output number	12
Discrete output type	Solid state switch
Discrete output voltage	24 V DC <= 30 V DC
Discrete output logic	Positive
Protective treatment	TC

Complementary

[Us] rated supply voltage	24 V DC
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 6 mA 24 V
Input resistance	4 kOhm
Discrete output current	4 A per group of 8 outputs 2 A per group of 4 outputs 0.5 A per point 8 A per module
Leakage current	< 1 mA 24 V output circuit
Fault type	Broken wire on input circuit Overload on output
Response time	3.3 ms from state 1 to state 0 on input 2.2 ms from state 0 to state 1 on input < 0.1 ms from state 1 to state 0 on output < 0.1 ms from state 0 to state 1 on output
Isolation between channels and bus	500 V AC
Power dissipation	<= 10 W 6.5 W
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 (11)IN_DIS#11 (12)IN_DIS#12 (13)IN_DIS#13 (14)IN_DIS#14 (15)IN_DIS#15 (16)IN_DIS#16 (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 (10)OUT_DIS#10 (11)OUT_DIS#11 (12)OUT_DIS#12 (1L+)PW_POS (2)OUT_DIS#2 (2L+)PW_POS (3)OUT_DIS#3 (4)OUT_DIS#4 (5)OUT_DIS#5 (6)OUT_DIS#6 (7)OUT_DIS#7 (8)OUT_DIS#8 (9)OUT_DIS#9 TB_1
Current consumption	180 mA 24 V DC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Product weight	0.26 kg

Environment

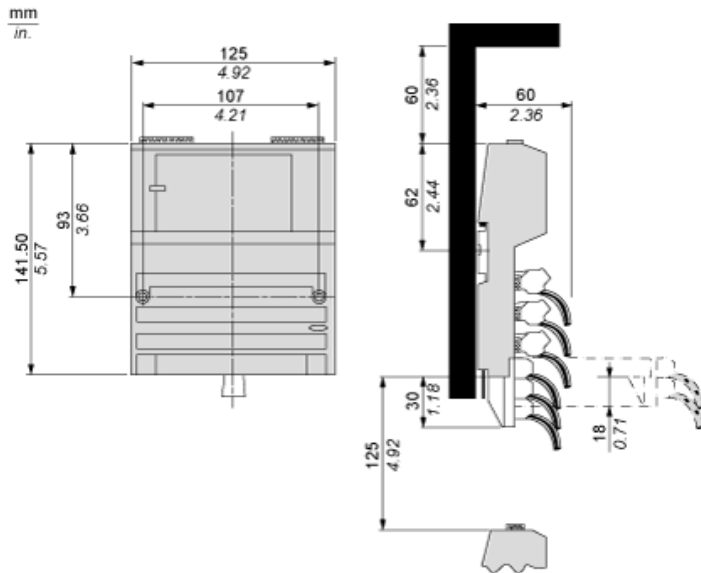
Product certifications	CSA FM Class 1 Division 2 UL
Resistance to electrostatic discharge	8 kV on air IEC 801-2 4 kV contact IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative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

Offer Sustainability

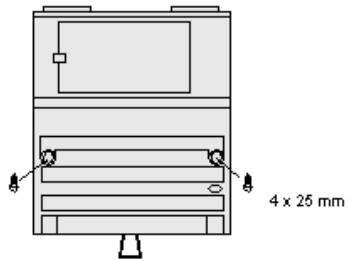
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity

Standard Adapter on a Typical Base

Dimensions

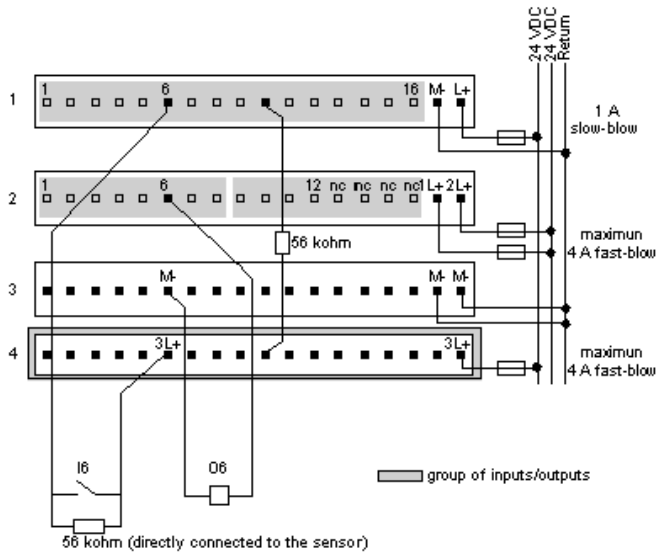


Mounting on a Wall

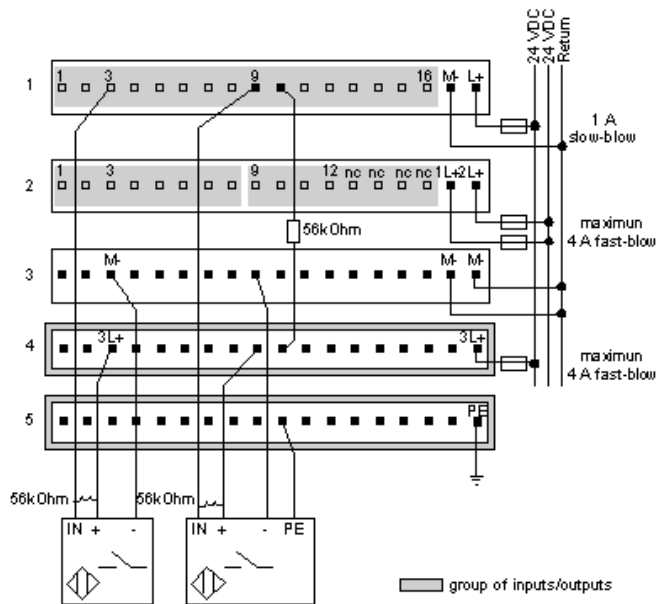


External Wiring Diagrams

2-Wire Devices



3- and 4-Wire Devices



Internal Pin Connections

Rows 1 through 3 show the internal connections between terminals on the I/O base. Rows 4 through 5 show the internal connections on the optional busbar.

