



## Main

|                           |                                      |
|---------------------------|--------------------------------------|
| Range of product          | Modicon Momentum automation platform |
| Product or component type | Discrete inputs base AC              |
| Group of channels         | 2 groups of 8 inputs                 |
| Discrete input number     | 16 IEC 1131-2 Type 2                 |
| Discrete input voltage    | 230 V AC                             |
| Protective treatment      | TC                                   |

## Complementary

|                                    |                                                                                                                                                                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Discrete input logic               | Positive                                                                                                                                                                                                                                                                            |
| Input voltage limits               | 164...253 V                                                                                                                                                                                                                                                                         |
| Network frequency                  | 47...63 Hz                                                                                                                                                                                                                                                                          |
| Voltage range                      | 163...253 V                                                                                                                                                                                                                                                                         |
| Voltage state 0 guaranteed         | $\leq 40$ V                                                                                                                                                                                                                                                                         |
| Voltage state 1 guaranteed         | $\geq 164$ V                                                                                                                                                                                                                                                                        |
| Current state 0 guaranteed         | $\leq 2$ mA                                                                                                                                                                                                                                                                         |
| Current state 1 guaranteed         | $\geq 10$ mA                                                                                                                                                                                                                                                                        |
| Input resistance                   | 7.5 kOhm 60 Hz<br>9 kOhm 50 Hz                                                                                                                                                                                                                                                      |
| Response time                      | 13.3 ms 60 Hz from state 0 to state 1<br>13.3 ms 60 Hz from state 1 to state 0                                                                                                                                                                                                      |
| Isolation between group            | 1780 V AC                                                                                                                                                                                                                                                                           |
| Isolation between channels and bus | 1780 V AC                                                                                                                                                                                                                                                                           |
| Terminals description PLC n°1      | (8)IN_DIS#8<br>(7)IN_DIS#7<br>(5)IN_DIS#5<br>(16)IN_DIS#16<br>(12)IN_DIS#12<br>(2)IN_DIS#2<br>(14)IN_DIS#14<br>(15)IN_DIS#15<br>(N)PW<br>(11)IN_DIS#11<br>(4)IN_DIS#4<br>(9)IN_DIS#9<br>(L1)PW<br>(3)IN_DIS#3<br>(6)IN_DIS#6<br>TB<br>(13)IN_DIS#13<br>(1)IN_DIS#1<br>(10)IN_DIS#10 |
| Marking                            | CE                                                                                                                                                                                                                                                                                  |
| Local signalling                   | 16 LEDs for channel status                                                                                                                                                                                                                                                          |
| Current consumption                | $\leq 125$ mA 230 V AC                                                                                                                                                                                                                                                              |
| Maximum Depth                      | 1.87 in (47.5 mm)                                                                                                                                                                                                                                                                   |
| Height                             | 5.57 in (141.5 mm)                                                                                                                                                                                                                                                                  |
| Width                              | 4.92 in (125 mm)                                                                                                                                                                                                                                                                    |
| Net Weight                         | 0.63 lb(US) (0.284 kg)                                                                                                                                                                                                                                                              |

## Environment

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| Product certifications                | CSA<br>UL                                       |
| Resistance to electrostatic discharge | 4 KV contact IEC 801-2<br>8 kV on air IEC 801-2 |
| Resistance to electromagnetic fields  | 9.14 V/m (10 V/m) 80...1000 MHz IEC 801-3       |
| Ambient air temperature for operation | 32...140 °F (0...60 °C)                         |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)                      |
| Relative humidity                     | 95 % without condensation                       |
| Operating altitude                    | <= 16404.2 ft (5000 m)                          |

## Ordering and shipping details

|                       |                                             |
|-----------------------|---------------------------------------------|
| Category              | 18206 - MOMENTUM PROCESSORS,I/O BASES,CONN. |
| Discount Schedule     | PC31                                        |
| GTIN                  | 00785901189916                              |
| Nbr. of units in pkg. | 1                                           |
| Package weight(Lbs)   | 1.01 lb(US) (0.46 kg)                       |
| Returnability         | No                                          |
| Country of origin     | ID                                          |

## Packing Units

|                  |                       |
|------------------|-----------------------|
| Package 1 Height | 3.54 in (90.000 mm)   |
| Package 1 width  | 7.09 in (180.000 mm)  |
| Package 1 Length | 10.24 in (260.000 mm) |

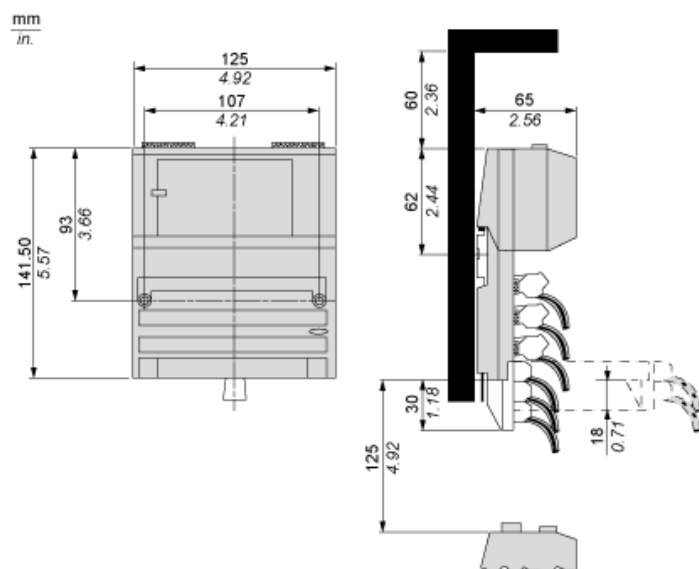
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                                |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

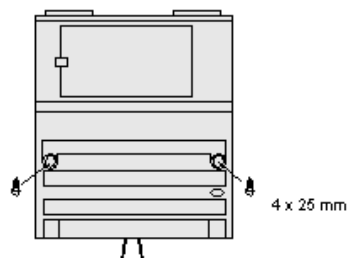
Standard Adapter on a Discrete VAC Base



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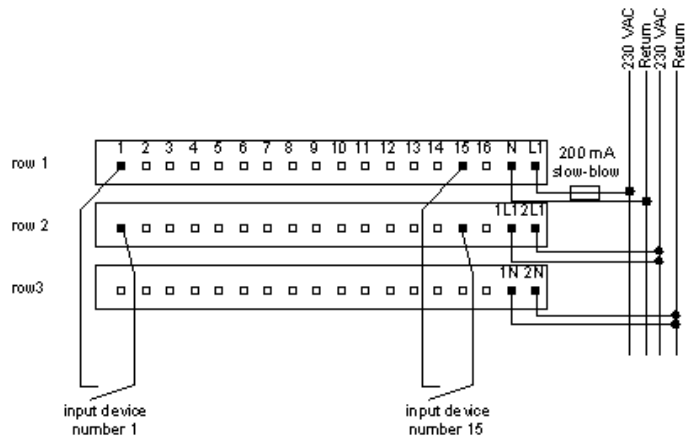
Mounting on a Wall

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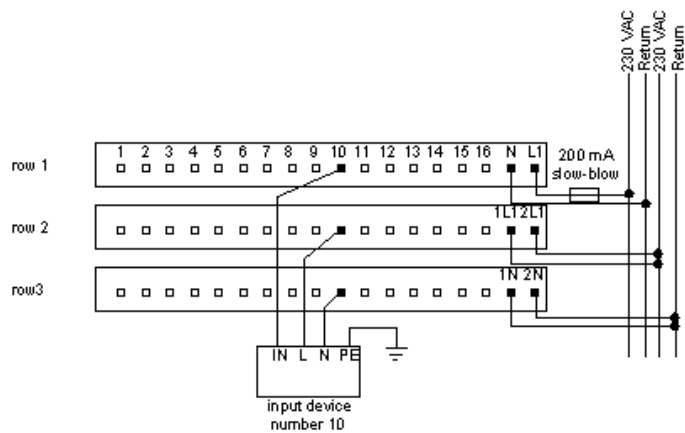


## External Wiring Diagrams

### 2-Wire Devices



### 3-Wire Device



## Internal Pin Connections

