



### Main

|                           |                                      |
|---------------------------|--------------------------------------|
| Range of product          | Modicon Momentum automation platform |
| Product or component type | Analogue output base                 |

### Complementary

|                                       |                                                                                                                                                                      |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Analogue output number                | 4                                                                                                                                                                    |
| Data format                           | Full 16 bits signed                                                                                                                                                  |
| Analogue output range                 | 4...20 mA 12 bits + sign $\leq 0.6$ kOhm<br>+/- 10 V 12 bits + sign $\geq 1$ kOhm                                                                                    |
| Load capacitance                      | $< 1 \mu\text{F}$                                                                                                                                                    |
| Absolute accuracy error               | +/- 0.5 % of full scale 4...20 mA 60 °C<br>+/- 0.4 % of full scale 4...20 mA 25 °C<br>+/- 0.25 % full scale +/- 10 V 60 °C<br>+/- 0.2 % of full scale +/- 10 V 25 °C |
| Temperature drift                     | 30 %oFS/°C 4...20 mA 60 °C<br>10 %oFS/°C +/- 10 V 60 °C                                                                                                              |
| Update time                           | $< 2$ ms                                                                                                                                                             |
| Full scale                            | 2 mA 4...20 mA<br>10 V +/- 10 V                                                                                                                                      |
| Fail state                            | Hold<br>Reset to full scale<br>Reset to zero                                                                                                                         |
| Isolation between channels and ground | 500 V AC for 1 minute                                                                                                                                                |
| Power dissipation in W                | $\leq 8.5$ W                                                                                                                                                         |
| Protection type                       | Internal 2 A slow-blow                                                                                                                                               |
| Output short-circuit protection       | With in voltage circuit                                                                                                                                              |
| External power requirement            | 24 V DC<br>+/- 30 V DC                                                                                                                                               |
| Permissible common mode voltage       | 250 V 47...63 Hz DC<br>250 V 47...63 Hz AC between channels to ground                                                                                                |
| Reverse polarity protection           | Internal                                                                                                                                                             |
| Marking                               | CE                                                                                                                                                                   |
| Local signalling                      | 4 LEDs channel status                                                                                                                                                |
| Current consumption                   | 530 mA 24 V DC base<br>150 mA 24 V DC actuator                                                                                                                       |
| Module format                         | Standard                                                                                                                                                             |
| Height                                | 125 mm                                                                                                                                                               |
| Depth                                 | 47.5 mm                                                                                                                                                              |
| Width                                 | 141.5 mm                                                                                                                                                             |
| Product weight                        | 0.215 kg                                                                                                                                                             |

## Environment

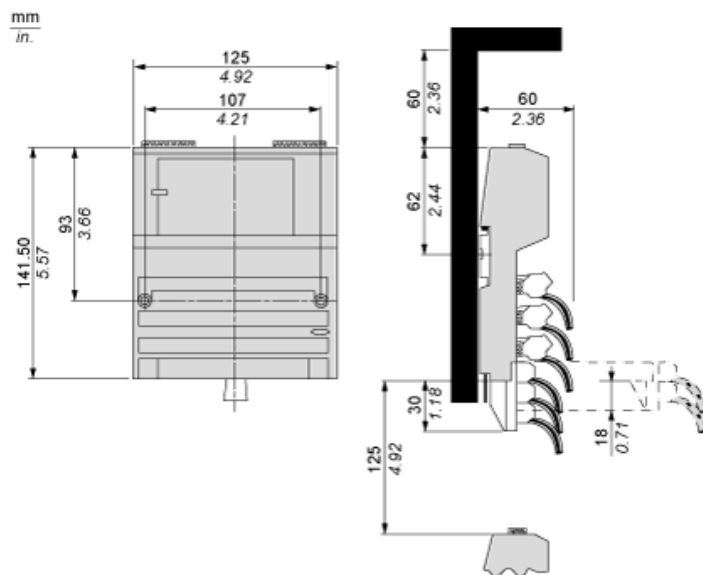
|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| Product certifications                | CSA<br>UL                                       |
| Protective treatment                  | TC                                              |
| Resistance to electrostatic discharge | 8 kV on air IEC 801-2<br>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

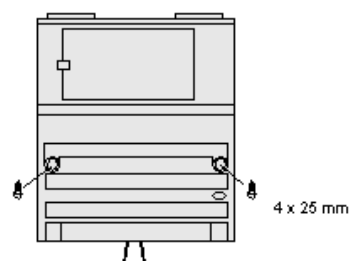
Dimensions



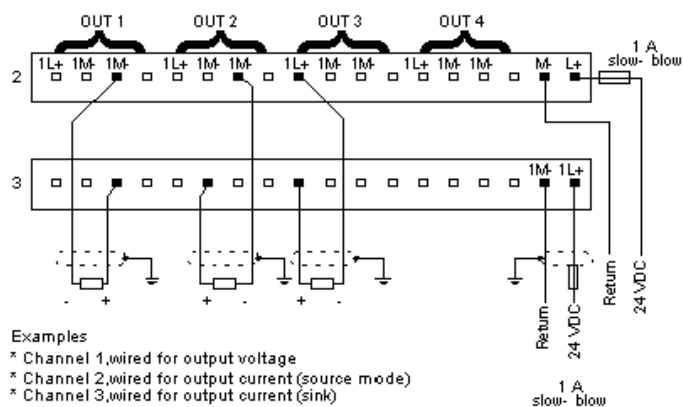
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Mounting on a Wall

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## External Wiring Diagram



## Internal Pin Connections

