



## Main

|                           |                          |
|---------------------------|--------------------------|
| Range of product          | Modicon M241             |
| Product or component type | Analogue input cartridge |
| Product compatibility     | Modicon M241C            |
| Analogue input number     | 2                        |

## Complementary

|                                 |                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------|
| Analogue input type             | Current, input range: 4...20 mA<br>Current, input range: 0...20 mA<br>Voltage, input range: 0...10 V |
| Analogue input resolution       | 16 bits                                                                                              |
| LSB value                       | 1 mV (voltage)<br>2 µA (current)                                                                     |
| Sampling duration               | 10 ms                                                                                                |
| Absolute accuracy error         | +/- 0.2 % of full scale at 25 °C                                                                     |
| Temperature drift               | +/- 0.006 %FS/°C                                                                                     |
| Repeat accuracy                 | +/- 0.2 %FS                                                                                          |
| Non-linearity                   | +/- 0.05 %FS                                                                                         |
| Cross talk                      | 80 dB                                                                                                |
| Type of cable                   | Twisted shielded pairs cable                                                                         |
| Electrical connection           | 1 spring terminal block (pitch 3.81 mm) 1.5 mm² 1 for inputs and supply                              |
| Cable length                    | <= 30 m twisted shielded pairs cable (input)                                                         |
| Insulation                      | Non-insulated between inputs<br>Between input and internal logic 500 V DC                            |
| Supply voltage limits           | 20.4...28.8 V                                                                                        |
| Local signalling                | 1 LED green PWR                                                                                      |
| Height                          | 50 mm                                                                                                |
| Depth                           | 21 mm                                                                                                |
| Width                           | 34 mm                                                                                                |
| Product weight                  | 0.055 kg                                                                                             |
| Permissible continuous overload | 40 mA (current)                                                                                      |

|                 |                                         |
|-----------------|-----------------------------------------|
|                 | 30 V (voltage)                          |
| Input impedance | <= 250 Ohm current<br>>= 1 MOhm voltage |

## Environment

|                         |       |
|-------------------------|-------|
| Immunity to microbreaks | 10 ms |
|-------------------------|-------|

## Offer Sustainability

|                                  |                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                                   |
| RoHS (date code: YYWW)           | Compliant - since 1350 - Schneider Electric declaration of conformity<br> <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                                                                                                  |
| Product environmental profile    | Available<br> <a href="#">Product environmental</a>                                                                                    |
| Product end of life instructions | Available<br> <a href="#">End of life manual</a>                                                                                       |