



### Main

|                           |                           |
|---------------------------|---------------------------|
| Range of product          | Modicon M221              |
| Product or component type | Analogue output cartridge |
| Product compatibility     | Modicon M221C             |

### Complementary

|                            |   |
|----------------------------|---|
| Analogue output number     | 2   |
| Analogue output type       | Current (4...20 mA)   |
| Analogue output resolution | 12 bits   |
| LSB value                  | 3.91 $\mu$ A current, output range: 4...20 mA                             |
| Load type                  | Resistive   |
| Load impedance ohmic       | $\leq$ 500 Ohm  |
| Conversion time            | 20 ms   |
| Stabilisation time         | 40 ms   |
| Absolute accuracy error    | +/- 1 % of full scale<br>+/- 0.3 % of full scale at 25 °C                 |
| Temperature drift          | +/- 0.02 %FS/°C   |
| Repeat accuracy            | +/- 0.4 %FS   |
| Non-linearity              | +/- 0.01 %FS  |
| Cross talk                 | $\leq$ 1 LSB  |
| Type of cable              | Twisted shielded pairs cable  |
| Electrical connection      | 2 screw terminal blocks (pitch 3.81 mm) 1.5 mm <sup>2</sup> 3 for outputs |
| Cable length               | $\leq$ 30 m twisted shielded pairs cable (output)                         |
| Insulation                 | Non-insulated between analogue output and internal logic                  |
| Height                     | 41 mm   |
| Depth                      | 15 mm   |
| Width                      | 35 mm   |
| Product weight             | 0.015 kg  |

Disclaimer: 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

## Environment

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|-------------------------|-------|
| Immunity to microbreaks | 10 ms |
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## Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1415 - 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>   |

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