# Product data sheet
## Characteristics

# 140ACO13000
## analog output module Modicon Quantum - 8 O multirange



## Main

| | |
|---|---|
| Range of product | Modicon Quantum automation platform |
| Product or component type | Analogue output module |
| Analogue output number | 8 |
| Analogue output range | 0...20 mA 0...20000 counts<br>0...25 mA 0...25000 counts<br>4...20 mA 0...16000 counts<br>4...20 mA 0...4095 counts |

## Complementary

| | |
|---|---|
| Addressing requirement | 8 output words |
| Loop voltage | 6...30 V DC |
| Voltage drop | 6...30 V 25 mA |
| Absolute accuracy error | +/- 0.2 % of full scale 25 °C |
| Linearity | +/- 12 µA 4...20 mA 0...4095 counts<br>+/- 4 µA 0...20 mA 0...20000 counts<br>+/- 4 µA 4...20 mA 0...16000 counts<br>+/- 4 µA 0...25 mA 0...25000 counts |
| Accuracy drift according to temperature | 0.004 % of full scale/°C typical<br>0.007 % of full scale/°C maximum |
| Isolation between channels and bus | 1780 V for 1 minute AC |
| Update time | 5 ms |
| Setting time | 1.6 ms to 5% of the final value<br>3.2 ms to +/-0.1% of the final value |
| Fault type | Open circuit 4...20 mA |
| Bus current requirement | 550 mA |
| Power dissipation in W | 5 W |
| External power requirement | 6...30 V |
| Marking | CE |
| Local signalling | 1 LED green bus communication is present (Active)<br>1 LED red external fault<br>8 LEDs green channel is turned on<br>8 LEDs red channel fault |
| Module format | Standard |
| Product weight | 0,3 kg |

## Environment

| | |
|---|---|
| Product certifications | FM Class 1 Division 2<br>CUL |
| Standards | CSA 22-2 No 142<br>UL 508 |
| Resistance to electromagnetic fields | 10 V/m 80...2000 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 |
| RoHS EUR conformity date | 0846 |
| RoHS EUR status | Compliant |

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Schneider Electric