

Schneider Service Manual

140AVO02000

3. Product Information

Schneider Electric 140AVO02000 Picture

analog output module Modicon Quantum - 4 O

140AVO02000

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Analogue output module

Complementary

Analogue output number

4

Addressing requirement

4 output words

Analogue output range

+/- 10 V $\geq$ 1000 Ohm bipolar voltage

+/- 5 V $\geq$ 500 Ohm bipolar voltage

0...10 V $\geq$ 1000 Ohm unipolar voltage

0...5 V $\geq$ 500 Ohm unipolar voltage

Analogue output resolution

12 bits

Analogue output current

-10...10 mA

Source resistance

0.1 Ohm

Maximum cable distance between devices

1312.3 ft (400 m)

Absolute accuracy error

+/- 0.15 % of full scale 77 °F (25 °C)

Linearity

+/- 1 LSB

Accuracy drift according to temperature

0.003 % of full scale/°C unipolar

0.004 % of full scale/°C bipolar

0.005 % of full scale/°C maximum unipolar

0.007 % of full scale/°C maximum bipolar

Isolation between channels

500 V for 1 minute 47...63 Hz AC

Isolation between channels and bus

780 V for 1 minute AC

Update time

3 ms

Setting time

700 μ s to +/- 0.1 % of the final value maximum

Bus current requirement

700 mA

Maximum power dissipation in W

4.5 W

Associated fuse rating

0.063 mA 3 AG fast blow 250 V

Marking

CE

Local signalling

1 LED (green) for bus communication is present (Active)

1 LED (red) for external fault

4 LEDs (green) for channel is turned on

4 LEDs (red) for channel fault

Module format

Standard

Net Weight
0.7 lb(US) (0.3 kg)

Environment

Product Certifications

FM Class 1 Division 2

cUL

Standards

UL 508

CSA C22.2 No 142

Resistance to electromagnetic fields

9.1 V/m (10 V/m) 80...2000 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

US1PC2118155

Discount Schedule

PC21

GTIN

3595861126626

Returnability

No

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

1.97 in (5.0 cm)

Package 1 Width

6.50 in (16.5 cm)

Package 1 Length

12.40 in (31.5 cm)

Package weight(Lbs)

16.5 oz (467.0 g)