

Schneider Service Manual

140ACO02000

3. Product Information

Schneider Electric 140ACO02000 Picture

analog output module Modicon Quantum - 4 O - 4..20 mA, 12 bits bipolar current

140ACO02000

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

Loop voltage

12...30 V DC

Maximum voltage drop

<30 V 20 mA

Analogue output range

4...20 mA 0...4096 counts, 12 bits bipolar current

Absolute accuracy error

+/- 0.20 % of full scale 77 °F (25 °C)

Linearity

+/- 1 LSB

Accuracy drift according to temperature

+/- 0.004 % of full scale/°C

+/- 0.007 % of full scale/°C maximum

Isolation between channels

500 V 47...63 Hz AC

750 V for 1 minute DC

Update time

3 ms

Setting time

900 µs to +/- 0.1 % of the final value

Fault type

Open circuit 4...20 mA

Bus current requirement

480 mA

Maximum power dissipation in W

5.3 W

External power requirement

12...30 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

CSA C22.2 No 142

UL 508

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

3595861126572

Returnability

Yes

Country of origin

US

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

1.89 in (4.8 cm)

Package 1 Width

6.50 in (16.5 cm)

Package 1 Length

12.40 in (31.5 cm)

Package weight(Lbs)

16.1 oz (457.0 g)