

Schneider Service Manual

140CPU53414B

3. Product Information

Schneider Electric 140CPU53414B Picture

Processor, Modicon Quantum automation platform, ProWORX32, Concept, 2972kB RAM, 100MHz

140CPU53414B

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Processor

Software name

ProWORX 32

Concept

Processor name

80486

Mathematical coprocessor

With

Complementary

Clock frequency

100 MHz

Memory description

Internal RAM 2972 kB

Exact time for 1 Kinstruction

0.1...0.5 ms LL984

Watchdog timer

250 ms

Clock drift

+/-8 s/day 32...140 °F (0...60 °C)

I/O words

30 I/32 O distributed

64 I/64 O max local

64 I/64 O remote

I/O words/network

500 I/500 O distributed

Drops/network

63 distributed

Number of drops

31 remote

Number of network

2 remote

3 distributed

Battery type

Lithium 10 µA 420 µA

Battery Capacity

1.2 Ah

Battery life

10 year(s)

Switch Function

Key switch

Marking

CE

Bus current requirement

1250 mA

Module format

Standard

Net Weight

1.87 lb(US) (0.85 kg)

Environment

Product Certifications

FM Class 1 Division 2

cUL

Standards

CSA C22.2 No 142

UL 508

Resistance to electrostatic discharge

4 kV contact IEC 801-2

8 kV on air IEC 801-2

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

US1PC2118150

Discount Schedule

PC21

GTIN

3595863917062

Returnability

No

Country of origin

US

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

1.97 in (5.000 cm)

Package 1 Width

6.50 in (16.500 cm)

Package 1 Length

12.20 in (31.000 cm)

Package weight(Lbs)

18.413 oz (522.000 g)

Unit Type of Package 2

S03

Number of Units in Package 2

7

Package 2 Height

11.81 in (30.000 cm)

Package 2 Width

11.81 in (30.000 cm)

Package 2 Length

15.75 in (40.000 cm)

Package 2 Weight

9.222 lb(US) (4.183 kg)