

Schneider Service Manual

140CPU11302

3. Product Information

Schneider Electric 140CPU11302

Concept processor 80186 Modicon Quantum - 1 Modbus RS232, 1 Modbus Plus

140CPU11302

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Processor

Software name

ProWORX 32

Concept

Processor name

80186

Mathematical coprocessor

Without

Complementary

Clock frequency

20 MHz

Memory description

Internal RAM 109 kB

Exact time for 1 Kinstruction

0.3...1.4 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 5 µA 110 µA

Battery Capacity

1.2 Ah

Battery life

10 year(s)

Number of port

1 Modbus RS232

1 Modbus Plus

Communication module processor capacity

2 NOM, NOE, CR, NMS

Switch Function

Without key switch

Marking

CE

Bus current requirement

780 mA

Module format

Standard

Net Weight
0.7 lb(US) (0.3 kg)
Environment
Product Certifications
cUL
FM Class 1 Division 2
Standards
UL 508
CSA C22.2 No 142
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
18150-QUANTUM CONTROLLERS,HSBY,COMM.
Discount Schedule
PC21
GTIN
3595861132139
Returnability
No
Country of origin
FR
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
1.77 in (4.5 cm)
Package 1 Width
6.50 in (16.5 cm)
Package 1 Length
12.40 in (31.5 cm)
Package weight(Lbs)
32.3 oz (915 g)