

# Product data sheet

Specifications



## Concept processor 80186 Modicon Quantum - 1 Modbus plus, 2 Modbus RS232

140CPU11303

! Discontinued on: 31 May 2015

! End-of-service on: 31 May 2023

! Discontinued - Service only

### 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 368 kB
Exact time for 1 Kinstruction	0.3...1.4 ms LL984
Watchdog timer	250 ms
Clock drift	+/-8 s/day at 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 7 $\mu$ A 210 $\mu$ A
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	790 mA

<b>Module format</b>	Standard
<b>Net weight</b>	0.3 kg
<b>Environment</b>	
<b>Product certifications</b>	FM Class 1 Division 2 cUL
<b>Standards</b>	UL 508 CSA C22.2 No 142
<b>Resistance to electrostatic discharge</b>	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
<b>Resistance to electromagnetic fields</b>	10 V/m 80...2000 MHz conforming to IEC 801-3
<b>Ambient air temperature for operation</b>	0...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Relative humidity</b>	95 % without condensation
<b>Operating altitude</b>	<= 5000 m

## Packing Units

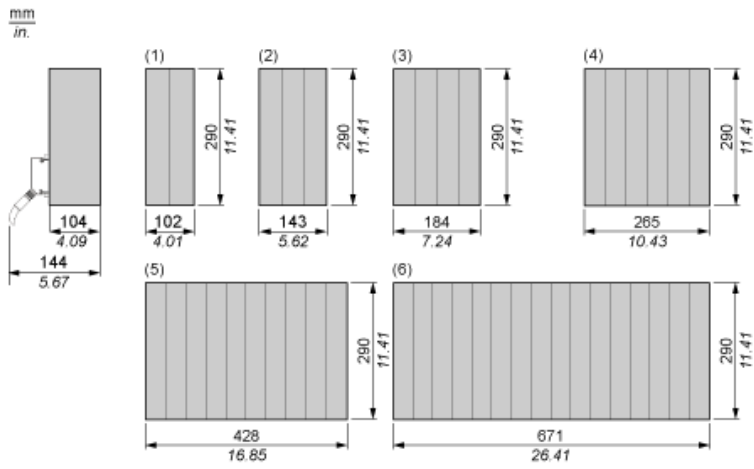
<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5 cm
<b>Package 1 Width</b>	16.5 cm
<b>Package 1 Length</b>	31 cm
<b>Package 1 Weight</b>	514 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	7
<b>Package 2 Height</b>	30 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	4.113 kg
<b>Unit Type of Package 3</b>	S04
<b>Number of Units in Package 3</b>	21
<b>Package 3 Height</b>	30 cm
<b>Package 3 Width</b>	40 cm
<b>Package 3 Length</b>	60 cm
<b>Package 3 Weight</b>	11.827 kg

## Contractual warranty

<b>Warranty</b>	18 months
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**Racks for Modules Mounting**

**Dimensions of Modules and Racks**



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

**Recommended replacement(s)**

140CPU11303 is replaced by:

1x



Standalone processor, Modicon M580, 4MB, 61 Ethernet devices, 4 Local I/O racks (1024 Digital, 256 Analog)

BMEP581020