

Product data sheet

Specifications



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

140CPU11303

⚠ Discontinued on: 31 May 2015

⚠ To be 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 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 7 µA 210 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	790 mA

Module format	Standard
Net Weight	0.66 lb(US) (0.3 kg)
Environment	
Product Certifications	FM Class 1 Division 2 cUL
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	9.14 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	3595861126688
Returnability	No
Country of origin	FR

Packing Units

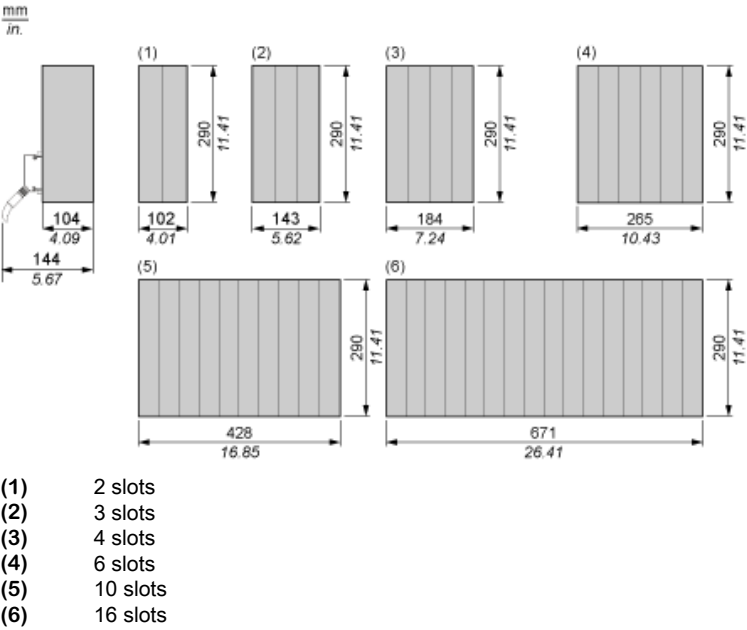
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.97 in (5 cm)
Package 1 Width	6.50 in (16.5 cm)
Package 1 Length	12.20 in (31 cm)
Package 1 Weight	18.13 oz (514 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	9.07 lb(US) (4.113 kg)
Unit Type of Package 3	S04
Number of Units in Package 3	21
Package 3 Height	11.81 in (30 cm)
Package 3 Width	15.75 in (40 cm)
Package 3 Length	23.62 in (60 cm)
Package 3 Weight	26.07 lb(US) (11.827 kg)

Contractual warranty

Warranty	18 months
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Racks for Modules Mounting

Dimensions of Modules and Racks



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