

Product datasheet

Specifications



Concept processor 80486 Modicon Quantum - with mathematical coprocessor

140CPU53414B

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 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 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	0.85 kg

Environment

Product certifications	FM Class 1 Division 2
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cUL

Standards	CSA C22.2 No 142 UL 508
Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Packing Units

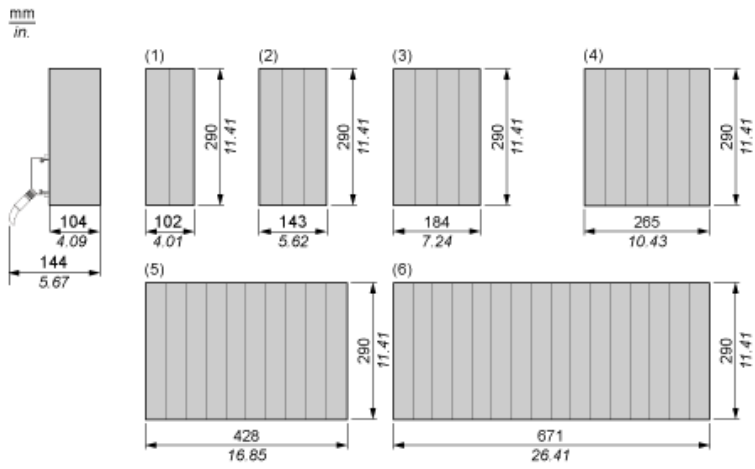
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	524 g
Package 1 Height	5 cm
Package 1 width	16.5 cm
Package 1 Length	31 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	4.183 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Contractual warranty

Warranty	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