



Main

Range of product	Modicon Quantum automation platform
Product or component type	Unity safety processor
Software designation	Unity Pro XL safety
Backup type	Lithium battery 990XCP98000

Complementary

Clock frequency	266 MHz
Number of slots	6 4 3 10 2 16
Number of racks	1 local
Number of remote I/O station	31 1 remote
Discrete I/O number	31744 inputs, 31744 outputs - remote Unlimited (13 slots max) - local - forbidden in Hot Standby application
Analogue I/O number	1984 inputs, 1984 outputs - remote Unlimited (26 slots max) - local - forbidden in Hot Standby application
Number of optional modules	6 Ethernet 140NOE77111
Maximum number of connections	1 Modbus Plus local 1 USB local 1 Modbus RS232/485 Modbus/ASCII 6 Ethernet TCP/IP local
Integrated connection type	1 Ethernet TCP/IP local 1 Modbus local 1 Modbus Plus local 1 USB local
Checks	Process control
Memory description	Internal RAM 1024 kB Expandable 7168 kB - program with PCMCIA card Expandable 8 MB - file storage with PCMCIA card

140CPU65160S

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Switch function	Key switch memory port on/off
Application structure	1 cyclic/periodic master task
Execution time per instruction	0.09...0.12 µs on word 0.105...0.15 µs Boolean 0.96...1.02 µs on fixed-point arithmetic
Execution time for 1 Kinstruction	5.03 65 % Boolean and 35 % numerical 5.14 100 % Boolean
System overhead	1.5 ms master task
Bus current requirement	2760 mA
Supply current	60 µA lithium battery <= 90 A at <= 60 °C lithium battery
[Us] rated supply voltage	3 V DC lithium battery
Battery capacity	1200 Ah
Battery life	10 yr
Display type	LCD 2 lines of 16 characters
Local signalling	1 LED green for Ethernet activity (COM) 1 LED red for Ethernet collision (ERR)
Electrical connection	1 female connector SUB-D 9 for connecting to the Modbus Plus network 1 female connector USB type B for connecting to PC 2 connectors RJ45 for connecting Modbus bus
Marking	CE

Environment

Product certifications	TÜV Rheinland (SIL3) C-Tick CSA CSA HazLoc
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Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0951 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of life manual
Product end of life instructions	Available

Contractual warranty

Warranty period	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

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