



Main

Range of product	Modicon Quantum automation platform
Product or component type	Unity processor

Complementary

Clock frequency	66 MHz
Number of slots	4 16 2 6 10
Number of racks	2 - local rack(s)
Number of distributed I/O station	63 station(s) - 1 rack(s) - 3 Modbus Plus network(s)
Number of remote I/O station	31 - 2 S908 remote I/O rack(s) 0 - 0 ethernet remote I/O rack(s)
Discrete I/O number	8000 inputs, 8000 outputs - distributed - per network Modbus Plus Unlimited (26 slots max) - local 31744 inputs, 31744 outputs - remote
Analogue I/O number	Unlimited (26 slots max) - local 1984 inputs, 1984 outputs - S908 remote I/O 500 inputs, 500 outputs - distributed - per network Modbus Plus
Application specific I/O	Serial link Accurate time stamping High-speed interrupt inputs Counter
Number of optional modules	6 (Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)
Maximum number of connections	2 (AS-Interface) - distributed 2 (Modbus) - RS232/485 Modbus/ASCII 4 (AS-Interface) - remote 6 (Ethernet TCP/IP) - local 6 (Modbus Plus) - local 6 (Profibus DP) - local
Integrated connection type	1 Modbus Plus with 2 Modbus with

140CPU43412U

Checks	Process control
Memory description	Internal RAM 1056 kB
Switch function	Slide switch communication port : ASCII/RTU/Memory Key switch memory start/stop memory protection
Application structure	1 cyclic/periodic master task - 1 periodic fast task - 16 timer interrupt tasks - 64 I/O interrupt tasks - 64 interrupt tasks - No auxiliary task -
Execution time per instruction	0.1...0.27 μ s floating points 0.1...0.27 μ s on fixed-point arithmetic 0.12...0.585 μ s Boolean 0.12...0.585 μ s on word
Number of instructions per ms	1.86 Kinst/ms if 100 % Boolean 2.49 Kinst/ms if 65 % Boolean and 35 % numerical
System overhead	1 ms - master task 0.2 ms - fast task
Bus current requirement	1800 mA
Local signalling	1 LED green for communications are active on the Modbus Plus port (Modbus Plus) 1 LED green for communications are active on the Modbus port (Modbus) 1 LED green for CPU has been started and is solving logic (RUN) 1 LED green for CPU has passed the power-up diagnostic tests (READY) 1 LED orange for write-protected memory (memory port) 1 LED red for battery needs replacing or is not present (BAT LOW) 1 LED red for communications error on the Modbus Plus port (ERROR A)
Electrical connection	1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network 2 female connectors, connector type: SUB-D 9 for connecting to the Modbus bus

Environment

Product certifications	CSA UL CE
Standards	HazLoc

Offer Sustainability

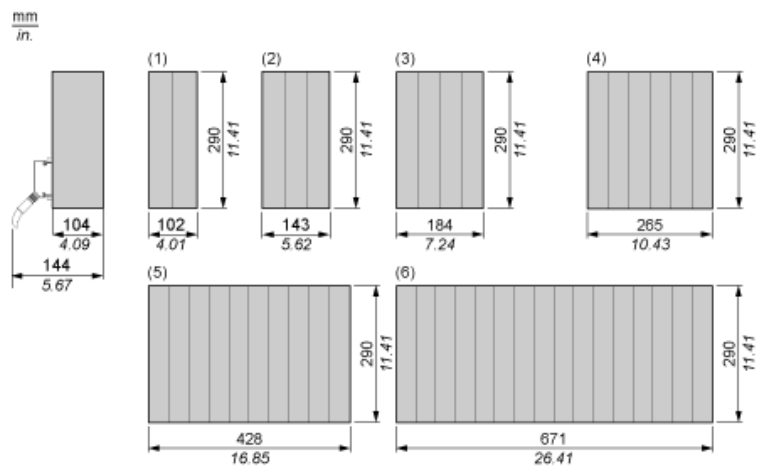
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0948 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental 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