



### Main

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

### Complementary

Clock frequency	66 MHz
Number of slots	10 16 2 4 6
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 31744 inputs, 31744 outputs - remote Unlimited (27 slots max) - local
Analogue I/O number	Unlimited (27 slots max) - local 1984 inputs, 1984 outputs - S908 remote I/O 500 inputs, 500 outputs - distributed - per network Modbus Plus
Application specific I/O	Accurate time stamping Counter High-speed interrupt inputs Serial link
Number of optional modules	2 ( Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)
Maximum number of connections	1 ( USB) 2 ( AS-Interface) - distributed 2 ( Ethernet TCP/IP) - local 2 ( Modbus Plus) - local 2 ( Modbus) - RS232/485 Modbus/ASCII 2 ( Profibus DP) - local 4 ( AS-Interface) - remote
Integrated connection type	1 Modbus Plus with

	2 Modbus with
Checks	Process control
Memory description	Internal RAM 548 kB
Switch function	Slide switch communication port : ASCII/RTU/Memory Slide switch memory port/off
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 $\mu$ s floating points 0.1...0.27 $\mu$ s on fixed-point arithmetic 0.12...0.585 $\mu$ s Boolean 0.12...0.585 $\mu$ 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	CE CSA UL
Standards	HazLoc

## Offer Sustainability

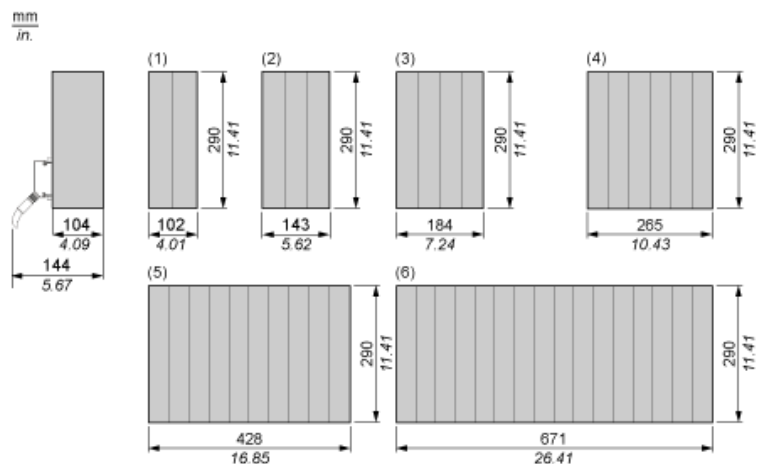
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0948 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">End of life manual</a>
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

140CPU31110 is replaced by:



Standard environment BMEP581020

processor module M580 - Level 1 - Distributed

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018 | Not same dimensions/design - more perf, but not same architectures (RIO counts different)