

# Product data sheet

Specifications



## processor 80486 Modicon Quantum - 1 Modbus plus, 2 Modbus RS232

140CPU43412AC

⚠ Discontinued on: Dec 31, 2017

⚠ End-of-service on: Dec 31, 2025

⚠ Discontinued - Service only

### Main

|                           |                                     |
|---------------------------|-------------------------------------|
| Range of Product          | Modicon Quantum automation platform |
| Product or Component Type | Processor                           |
| Software name             | ProWORX 32<br>Concept               |
| Processor name            | 80486                               |
| Mathematical coprocessor  | With                                |

### Complementary

|                                            |                                                                  |
|--------------------------------------------|------------------------------------------------------------------|
| Clock frequency                            | 66 MHz                                                           |
| Memory description                         | Internal RAM 896 kB                                              |
| Exact time for 1 Kinstruction              | 0.1...0.5 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<br>64 I/64 O max local<br>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<br>3 distributed                                        |
| Battery type                               | Lithium 7 µA 210 µA                                              |
| Battery Capacity                           | 1.2 Ah                                                           |
| Battery Life                               | 10 year(s)                                                       |
| Number of port                             | 1 Modbus Plus<br>2 Modbus RS232                                  |
| Communication module<br>processor capacity | 6 NOM, NOE, CR, NMS                                              |
| Switch Function                            | Key switch                                                       |
| Marking                                    | CE                                                               |
| Bus current requirement                    | 1250 mA                                                          |
| Module format                              | Standard                                                         |
| Net Weight                                 | 1.87 lb(US) (0.85 kg)                                            |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

## Environment

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| Protective treatment                  | Conformal coating Humiseal 1A33                 |
| Product Certifications                | cUL<br>FM Class 1 Division 2                    |
| Standards                             | UL 508<br>CSA C22.2 No 142                      |
| Resistance to electrostatic discharge | 4 kV contact IEC 801-2<br>8 kV on air IEC 801-2 |
| Resistance to electromagnetic fields  | 9.1 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              | 3595862023603                        |
| Returnability     | No                                   |
| Country of origin | FR                                   |

## Packing Units

|                        |                    |
|------------------------|--------------------|
| Unit Type of Package 1 | PCE                |
| Nbr. of units in pkg.  | 1                  |
| Package 1 Height       | 2.0 in (5.0 cm)    |
| Package 1 Width        | 6.5 in (16.5 cm)   |
| Package 1 Length       | 12.2 in (31.0 cm)  |
| Package weight(Lbs)    | 22.05 oz (625.0 g) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

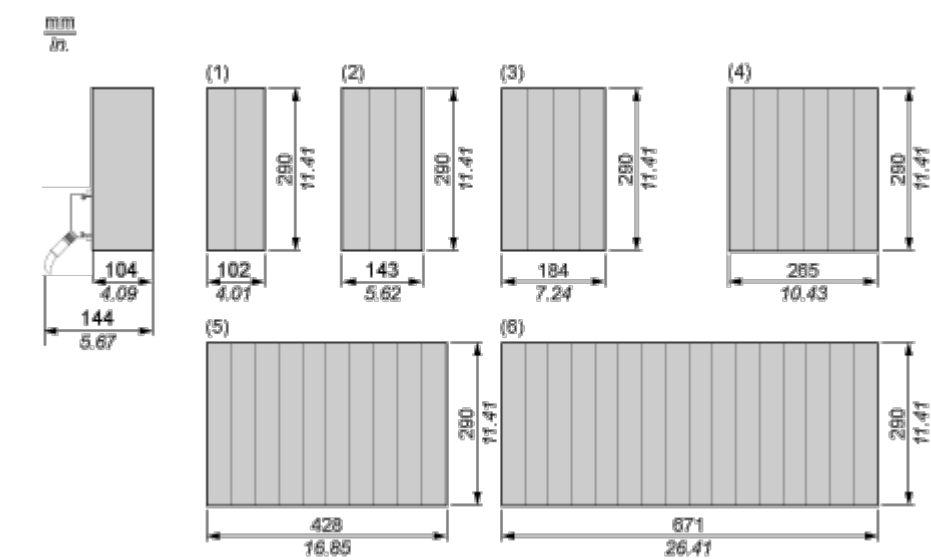
### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

Dimensions Drawings

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