

# Product datasheet

Specifications



## AS-Interface master module Modicon Quantum - 30 V DC

140EIA92100C

⚠ Discontinued on: 31 Dec 2017

⚠ End-of-service on: 31 Dec 2025

⚠ Discontinued

### Main

|                           |                                     |
|---------------------------|-------------------------------------|
| Range of product          | Modicon Quantum automation platform |
| Product or component type | AS-Interface master module          |

### Complementary

|                                          |                                                                                                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Range compatibility                      | AS-Interface cabling system                                                                         |
| AS-i version                             | V1                                                                                                  |
| Actuator sensor interface profile [AS-i] | M2                                                                                                  |
| Addressing                               | Standard                                                                                            |
| Maximum cycle time                       | 5 ms                                                                                                |
| Bus length                               | 0...100 m without repeater                                                                          |
| Discrete input number                    | 124                                                                                                 |
| Discrete output number                   | 124                                                                                                 |
| Number of server device(s)               | 31                                                                                                  |
| Number of module per PLC                 | 2 per Quantum PLC distributed drop<br>4 per Quantum PLC local drop<br>4 per Quantum PLC remote drop |
| Supply                                   | Via AS-Interface line                                                                               |
| [Us] rated supply voltage                | 30 V DC                                                                                             |
| AS-i cabling system cycle time           | 156 x (n + 1) µs with 31 slave(s)<br>156 x (n + 2) µs                                               |
| Transmission rate                        | 167 kbit/s                                                                                          |
| Reverse polarity protection              | Internal                                                                                            |
| Local signalling                         | 32 LEDs for slave addresses and state of slave I/O bits                                             |
| Electrical connection                    | 1 male connector SUB-D 3 pins for AS-Interface link                                                 |
| Current consumption                      | <= 100 mA                                                                                           |
| Typical current consumption              | 60 mA 30 V DC                                                                                       |
| Marking                                  | CE                                                                                                  |
| Product weight                           | 0.45 kg                                                                                             |

### Environment

|                                       |           |
|---------------------------------------|-----------|
| IP degree of protection               | IP20      |
| Ambient air temperature for operation | 0...60 °C |

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

|                        |                                   |
|------------------------|-----------------------------------|
| Product certifications | UL<br>FM<br>C-Tick<br>CSA<br>GOST |
|------------------------|-----------------------------------|

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 5.0 cm   |
| Package 1 Width              | 16.5 cm  |
| Package 1 Length             | 31.5 cm  |
| Package 1 Weight             | 485.0 g  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 2        |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 1.396 kg |



## 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 |