

# Product data sheet

Specifications



## DIO head-end adaptor - Modicon Quantum - 1 Modbus Plus fiber optic single copper

140NOM25200

! Discontinued - Service only

! Discontinued on: Dec 31, 2022

! To be end-of-service on: Dec 31, 2030

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

|                           |                                     |
|---------------------------|-------------------------------------|
| Range of Product          | Modicon Quantum automation platform |
| Product or Component Type | DIO head-end adaptor                |

### Complementary

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Number of port                         | 1 Modbus Plus fiber optic single copper<br>1 Modbus RS232 twisted pair                 |
| Transmission Rate                      | 1 Mbit/s                                                                               |
| Electrical connection                  | 1 connector RJ45<br>2 connectors TX/RX                                                 |
| I/O words                              | 30 I/32 O                                                                              |
| Checks                                 | RAM<br>RAM address<br>Processor<br>Checksum                                            |
| Power dissipation in W                 | 4 W                                                                                    |
| Minimum pulse width distortion/ jitter | 5 ns                                                                                   |
| Wavelength                             | 0.000032284 in (820 nm)                                                                |
| Power loss budget                      | 11 dB 62.5/125 µm<br>16.5 dB 100/140 µm<br>6.5 dB 50/125 µm                            |
| Optical transmission                   | -16...-9 dBm 100/140 µm<br>-19.8...-12.8 dBm 50/125 µm<br>-3.5...110.5 dBm 62.5/125 µm |
| Rise/fall time                         | 20 ns                                                                                  |
| Dynamic range                          | 20 dB                                                                                  |
| Detected silence                       | -36 dBm                                                                                |
| Sensitivity scale                      | > 30 dBm                                                                               |
| Bus current requirement                | 750 mA                                                                                 |

### Environment

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| 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        |

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

|                                       |                                                                       |
|---------------------------------------|-----------------------------------------------------------------------|
| 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)                                                |
| Standards                             | UL 508                                                                |
| Product Certifications                | CSA Class 1 Division 2<br>RINA<br>GL<br>RMRS<br>C-tick<br>GOST<br>DNV |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1PC2118150  |
| Discount Schedule | PC21          |
| GTIN              | 3595861135321 |
| Returnability     | No            |

## 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)    | 17.4 oz (494.0 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 Better

| Materials and Substances  |                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive         | <a href="#">Compliant</a>                                                                                                                                                                                                                                                                          |
| California proposition 65 | <b>WARNING:</b> This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

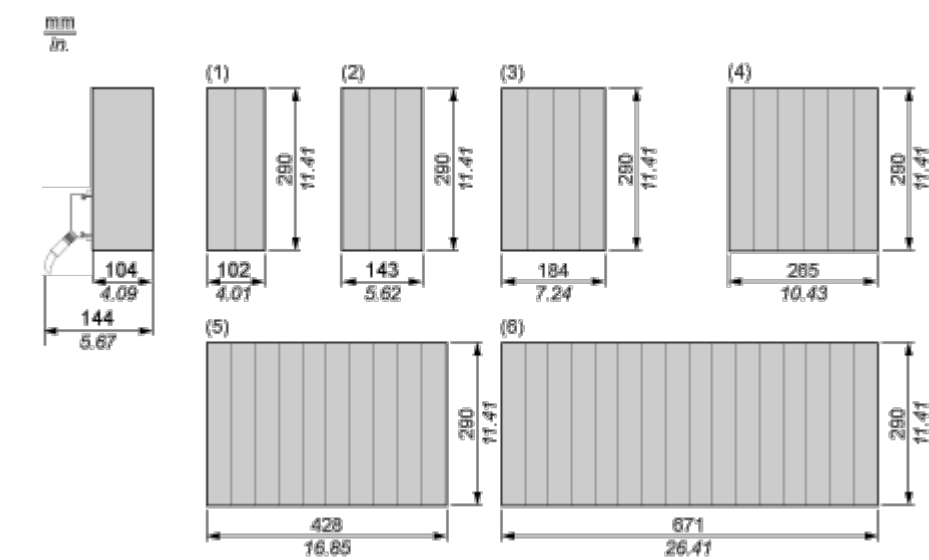
### Use Longer

| 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