

# Product data sheet

Specifications



## DIO drop interface Modicon Quantum - 115/230 V AC - 1 single port

140CRA21110

! Discontinued on: 31 December 2022

! To be end-of-service on: 31 December 2030

! Discontinued - Service only

### Main

Range of Product	Modicon Quantum automation platform
Product or Component Type	DIO drop interface

### Complementary

Number of port	1 single
[Us] rated supply voltage	115/230 V AC
Supply voltage limits	85...276 V
Supply frequency	47...63 Hz
Maximum supply current	0.2 A 115 V 0.4 A 230 V
Inrush current	10 A 115 V 20 A 230 V
Rated power in VA	50 VA
Associated fuse rating	1.5 A
Output voltage	5.1 V
Nominal output current	3 A
Minimum load current	0 A
Short-circuit protection	With
Output overvoltage protection	With
I/O words	30 I/32 O
Typical backplanes	3 positions 2 positions 6 positions 16 positions 10 positions 4 positions
Diagnostics startup	RAM address RAM Checksum
Diagnostics run time	RAM address RAM Checksum
Power dissipation in W	11 W
Connections - Terminals	Terminal block, 7 poles

Module format	Standard
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## Environment

Resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	9.14 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)
Protective treatment	TC
Standards	UL 508
Product Certifications	CSA Class 1 Division 2 UL DNV C-tick GOST

## Ordering and shipping details

Category	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	3595861136731
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.97 in (5.000 cm)
Package 1 Width	6.50 in (16.500 cm)
Package 1 Length	12.40 in (31.500 cm)
Package 1 Weight	23.74 oz (673.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	11.64 lb(US) (5.279 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: 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>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>

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<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>RoHS exemption information</b>	Yes
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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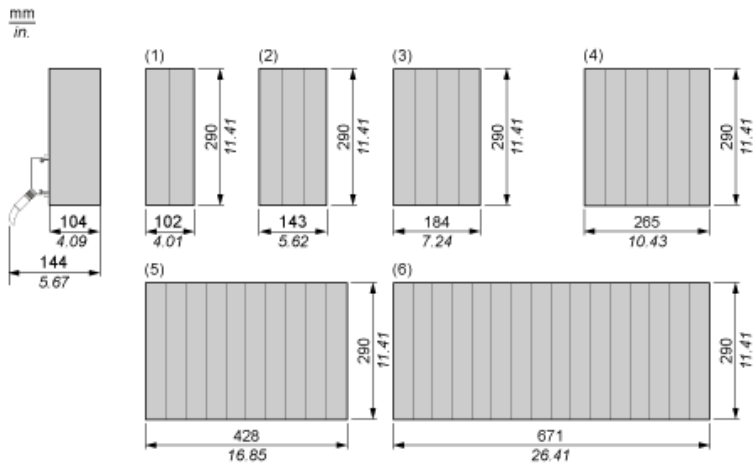
## **Contractual warranty**

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<b>Warranty</b>	18 months
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**Racks for Modules Mounting**

**Dimensions of Modules and Racks**

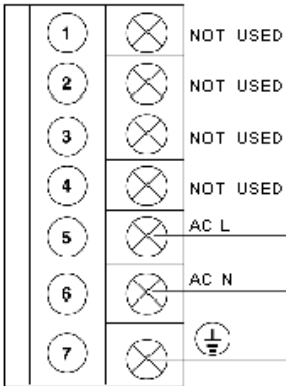


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

## AC Powered Distributed I/O (DIO) Module

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### Wiring Diagram



### Recommended replacement(s)

140CRA21110 is replaced by:

1x



EIO drop adapter, Modicon X80, with Ethernet backplane  
BMECRA31210