



### Main

Range of product	Modicon Quantum automation platform
Product or component type	DIO drop interface

### Complementary

Number of port	2 redundant
[Us] rated supply voltage	24 V DC
Supply voltage limits	20...30 V
Maximum supply current	1.6 A 24 V
Inrush current	30 A 24 V
Maximum buffer time	1 ms
Associated fuse rating	2.5 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	2 positions 16 positions 4 positions 10 positions 3 positions 6 positions
Diagnostics startup	RAM address RAM Checksum
Diagnostics run time	RAM RAM address Checksum
Power dissipation in W	11 W
Connections - terminals	Terminal block, 7 poles
Module format	Standard

### 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 Conformal coating Humiseal 1A33
Standards	UL 508
Product certifications	CSA Class 1 Division 2 GOST UL C-tick DNV

### Ordering and shipping details

Category	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	03595861136717
Nbr. of units in pkg.	1
Package weight(Lbs)	25.54 oz (724 g)
Returnability	No
Country of origin	FR

### Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	6.30 in (16 cm)
Package 1 Length	12.40 in (31.5 cm)

### Contractual warranty

Warranty	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

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

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### Wiring Diagram

