



Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete input modules
Discrete input number	32

Complementary

Group of channels	4
Logic input	Positive (sink)
Input voltage limits	10...60 V
Input voltage	12 V 5...10 mA DC 24 V 6...30 mA DC 48 V 2...15 mA DC 60 V 1...5 mA DC
Voltage state 1 guaranteed	9...12 V 12 V +/- 5 % 11...24 V 24 V - 15...20 % 34...48 V 48 V - 15...20 % 45...60 V 60 V - 15...20 %
Voltage state 0 guaranteed	0...1.8 V 12 V +/- 5 % 0...10 V 48 V - 15...20 % 0...12.5 V 60 V - 15...20 % 0...5 V 24 V - 15...20 %
Absolute maximum voltage	75 V
Addressing requirement	2 input words
Response time	4 ms from state 0 to state 1 4 ms from state 1 to state 0
Switching frequency	<= 100 Hz
Isolation between group and bus	2500 Vrms DC for 1 minute
Isolation between group	700 Vrms DC for 1 minute
Power dissipation	1 W + (0.25 x number of points on)
Marking	CE
Local signalling	Bus communication is present (Active) 1 LED green) Input status 32 LEDs green)
Bus current requirement	300 mA
Module format	Standard
Net Weight	0.65 lb(US) (0.295 kg)

Environment

Protective treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508 EN/IEC 61131-2
Product certifications	CSA CE ATEX Merchant Navy IEC-Ex UL EAC RCM Hazardous location class 1, division 2
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)

Ordering and shipping details

Category	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901163787
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)
Returnability	No
Country of origin	CN

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)
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Weight	2.61 lb(US) (1.184 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

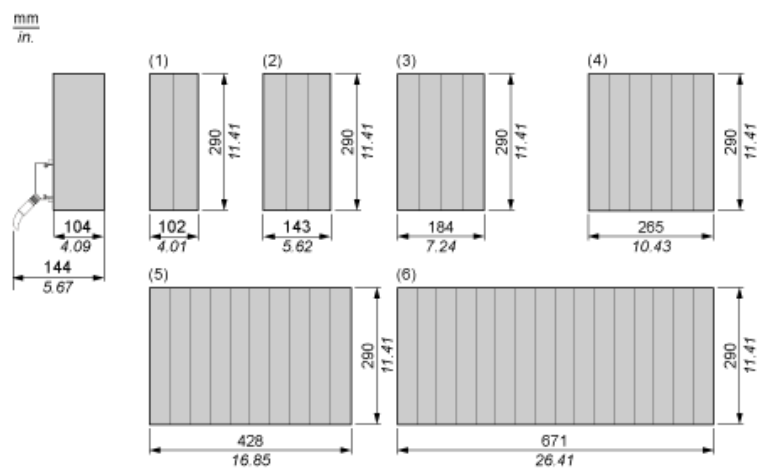
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
----------	-----------

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

10...60 Vdc Discrete Input Sink Module

Wiring Diagram

