



Main

Range of product	Modicon Quantum automation platform
Product or component type	VAC discrete input modules
Software name	Concept ProWORX 32 Unity Pro
Discrete input number	16

Complementary

Group of channels	16
Addressing requirement	1 input word
Discrete input voltage	230 V AC
Input current	11.5 mA 57...63 Hz 9.7 mA 47...53 Hz
Voltage state 1 guaranteed	165...264 V AC 57...63 Hz 175...264 V AC 47...53 Hz
Voltage state 0 guaranteed	0...40 V AC 57...63 Hz 0...40 V AC 47...53 Hz
Input impedance	26500 Ohm capacitive 57...63 Hz 31800 Ohm capacitive 47...53 Hz
Network frequency limits	47...63 Hz
Maximum leakage current	2.6 mA
Absolute maximum input	264 V continuous 300 V 10 s 400 V 1 cycle
Response time	4.9...0.75 ms x line cycle Off-On 7.3...12.3 ms On-Off
Isolation between channels	1780 Vrms for 1 minute
Isolation between channels and bus	1780 Vrms for 1 minute
Bus current requirement	180 mA
Maximum power dissipation in W	5.5 W
Local signalling	Bus communication is present (Active) 1 LED green) External fault detected (F) 1 LED red) Input status 16 LEDs green)
Marking	CE
Module format	Standard
Net Weight	0.77 lb(US) (0.35 kg)

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Environment

Standards	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2 CUL
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	00785901793168
Nbr. of units in pkg.	1
Package weight(Lbs)	1.04 lb(US) (0.47 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	6.50 in (16.5 cm)
Package 1 Length	12.20 in (31 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	8.21 lb(US) (3.724 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

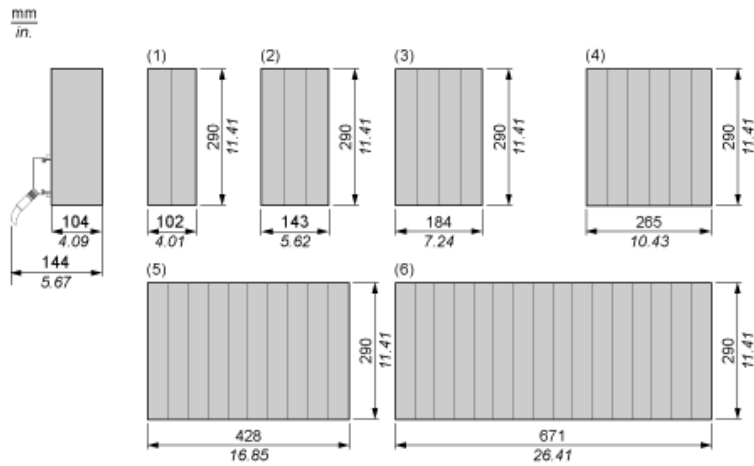
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity 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
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Racks for Modules Mounting

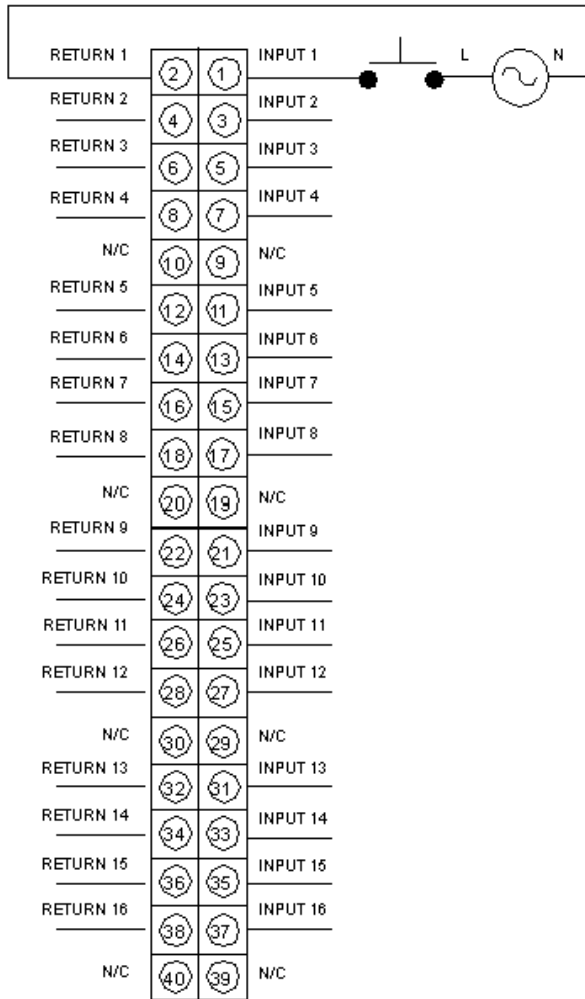
Dimensions of Modules and Racks



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

230 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected