



Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete input modules
Discrete input number	16

Complementary

Group of channels	8
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	11...24 V 24 V +/- 20 % 34...48 V 48 V +/- 20 % 45...60 V 60 V +/- 20 % 9...12 V 12 V +/- 5 %
Voltage state 0 guaranteed	0...1.8 V 12 V +/- 5 % 0...10 V 48 V +/- 20 % 0...5 V 24 V +/- 20 % 0...9 V 60 V +/- 20 %
Absolute maximum voltage	75 V
Addressing requirement	1 input word
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 + (0.62 x number of points on)
Marking	CE

Local signalling	1 LED (green)bus communication is present (Active): 1 LED (red)external fault detected (F): 16 LEDs (green)input status:
Bus current requirement	200 mA
Module format	Standard
Net weight	0.3 kg

Environment

Standards	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2 C-Tick
Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	130 g
Package 1 Height	2.5 cm
Package 1 width	8 cm
Package 1 Length	10 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	3.749 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

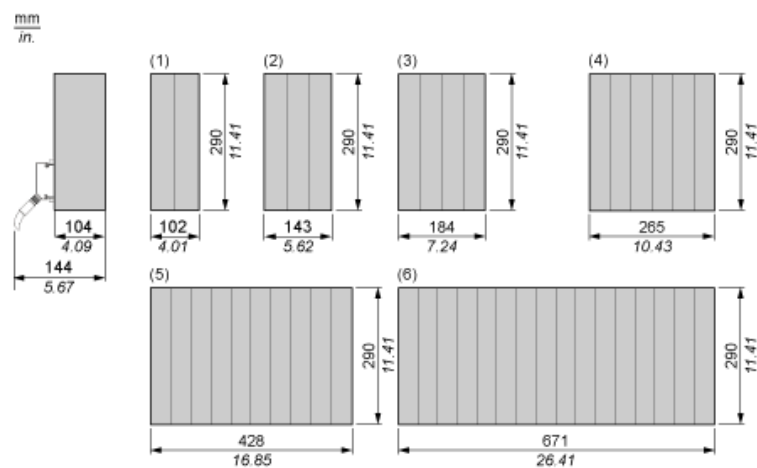
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity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

60 Vdc Discrete Input Sink Module

Wiring Diagram

