



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
Product weight	0.66 lb(US) (0.3 kg)

Environment

Standards	UL 508 CSA C22.2 No 142
Product certifications	C-Tick FM Class 1 Division 2
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	9.14 V/yd (10 V/m) 80...2000 MHz conforming to 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	00785901793830
Nbr. of units in pkg.	1
Package weight(Lbs)	0.94000000000000006
Returnability	Y
Country of origin	CN

Offer Sustainability

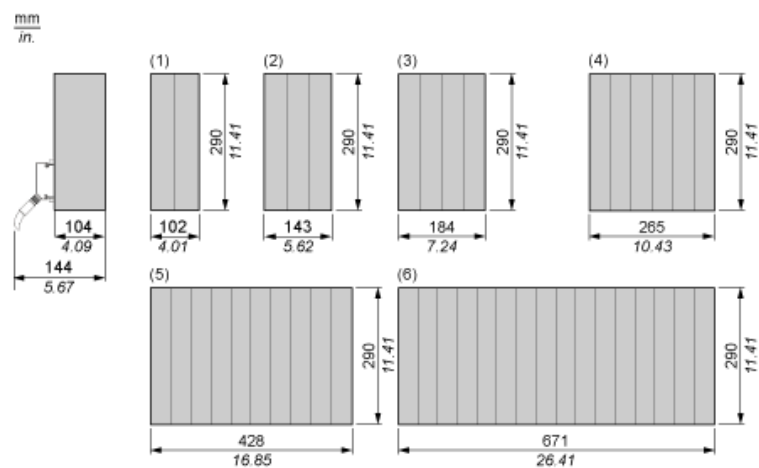
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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Racks for Modules Mounting

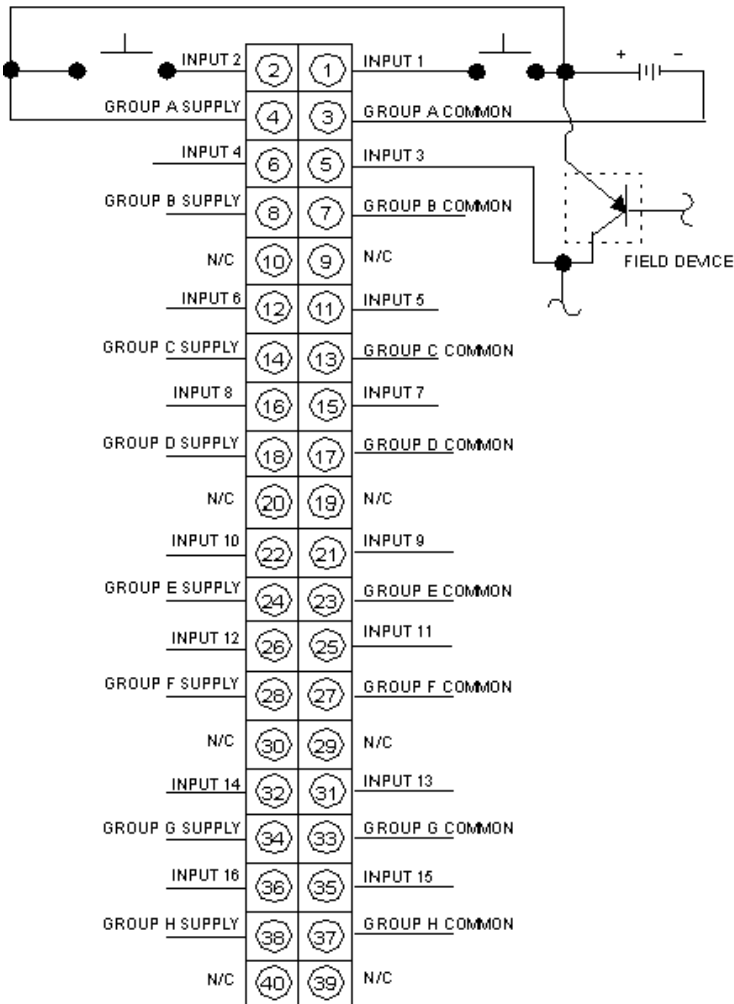
Dimensions of Modules and Racks



- (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



N/C Not Connected