



Main

Range of product	Modicon Quantum automation platform
Product or component type	Low voltage dc discrete input modules
Discrete input number	96

Complementary

Group of channels	6
Logic input	Positive (sink)
Discrete input voltage	24 V DC
Input voltage limits	19.2...30 V
Voltage state 1 guaranteed	15...30 V DC
Voltage state 0 guaranteed	5 V DC
Current state 1 guaranteed	≥ 2.5 mA
Current state 0 guaranteed	≥ 0.7 mA
Addressing requirement	6 words
Input impedance	6700 Ohm
Absolute maximum input	50 V decaying pulse 30 V continuous
Response time	≤ 3 ms from state 1 to state 0 ≤ 2 ms from state 0 to state 1
Power dissipation	1.35 W + (0.13 x number of points on)
Isolation between group	500 Vrms for 1 minute
Local signalling	96 LEDs green input status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Marking	CE
Bus current requirement	< 270 mA
Module format	Standard
Product weight	0.3 kg

Environment

Standards	CSA C22.2 No 142 UL 508
Product certifications	C-Tick FM Class 1 Division 2
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact 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

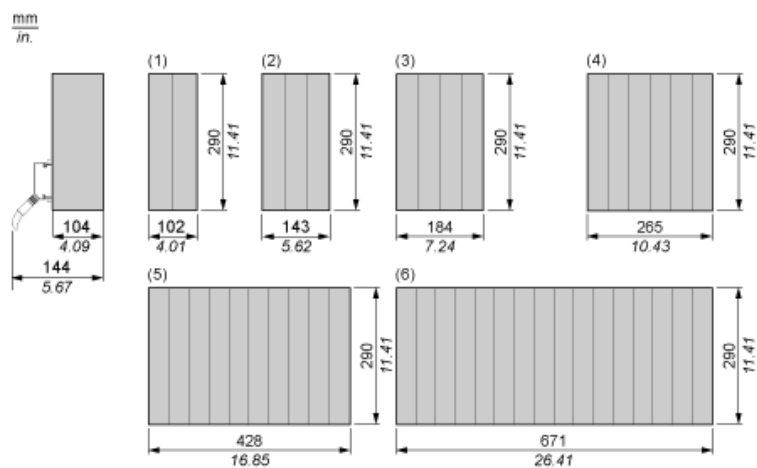
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1008 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

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

24 Vdc 6x16 Input Module

6 Groups of 16 Inputs A...F (6 x HE 10 Connectors)

