Product data sheet Characteristics

140DDI36400C

Modicon Quantum low voltage discrete input module - 96 I - positive logic





Main

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

Complementary

Complementary		
Group of channels	6	
Logic input	Positive (sink)	
Discrete input voltage	24 V DC	
Input voltage limits	19.230 V	
Voltage state1 guaranteed	1530 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

Protective treatment	Conformal coating Humiseal 1A33	
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 802000 MHz conforming to IEC 801-3	
Ambient air temperature for operation	060 °C	

Ambient air temperature for storage	-4085 °C	
Relative humidity	95 % without condensation	
Operating altitude	<= 5000 m	

Offer Sustainability

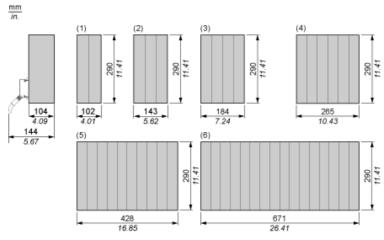
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1008 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need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



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Racks for Modules Mounting

Dimensions of Modules and Racks



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

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24 Vdc 6x16 Input Module

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

