



Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete input modules
Discrete input number	32

Complementary

Group of channels	4
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 - 15...20 % 34...48 V 48 V - 15...20 % 45...60 V 60 V - 15...20 % 9...12 V 12 V +/- 5 %
Voltage state 0 guaranteed	0...10 V 48 V - 15...20 % 0...12.5 V 60 V - 15...20 % 0...5 V 24 V - 15...20 % 0...1.8 V 12 V +/- 5 %
Absolute maximum voltage	75 V
Addressing requirement	2 input words
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 + (0.25 x number of points on)
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 32 LEDs green input status

Bus current requirement	300 mA
Module format	Standard
Product weight	0.295 kg

Environment

Protective treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 EN/IEC 61131-2 UL 508
Product certifications	Hazardous location class 1, division 2 Merchant Navy UL IEC-Ex CE ATEX RCM CSA EAC
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

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 End of life manual
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

140DDI85300C

10...60 Vdc Discrete Input Sink Module

Wiring Diagram

