



ⓘ Discontinued

Commercial status

Discontinued on: 01 November 2020

End-of-service on: 03 November 2020

140DDI36400C has not been replaced. Please contact your customer care centre for more information.

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	30 V continuous 50 V decaying pulse
Response time	≤ 2 ms from state 0 to state 1 ≤ 3 ms from state 1 to state 0
Power dissipation	1.35 W + (0.13 x number of points on)
Isolation between group	500 Vrms for 1 minute
Local signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 96 LEDs (green) for input status
Marking	CE
Bus current requirement	270 mA
Module format	Standard
Net weight	0.3 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	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	529 g
Package 1 Height	5 cm
Package 1 width	16.5 cm
Package 1 Length	32 cm
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Weight	1.058 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

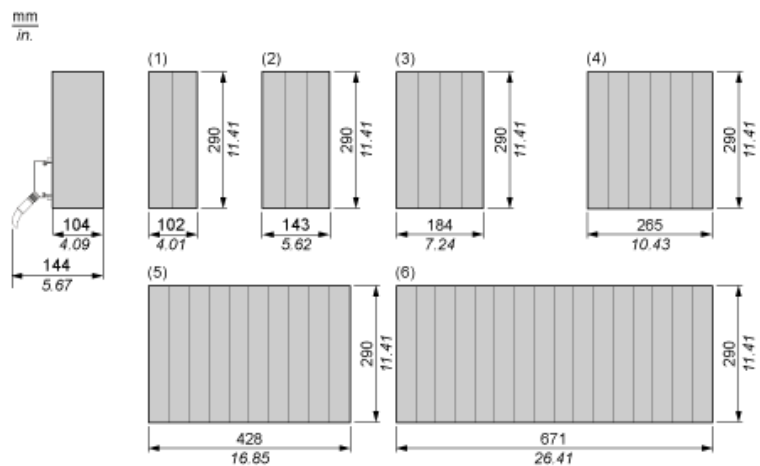
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental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

24 Vdc 6x16 Input Module

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

