Product data sheet

Specifications



discrete input module Modicon Quantum - 24 I - 125 V DC

140DDI67300

To be discontinued on: 31 December 2022

To be end-of-service on: 31 December 2030

To be discontinued

Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete input modules
Discrete input number	24

Complementary

Group of channels	3
Logic input	Positive (sink)
Input voltage limits	88...150 V
Input voltage	125 V 2.5 mA DC
Absolute maximum voltage	156.25 V including ripple
Addressing requirement	2 input words
Response time	0.7 ms from state 0 to state 1 0.7 ms from state 1 to state 0
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) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 24 LEDs (green) for input status
Bus current requirement	200 mA
Module format	Standard
Net weight	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

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

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	452.0 g
Package 1 Height	16.3 cm
Package 1 width	4.5 cm
Package 1 Length	31.2 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	3.108 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

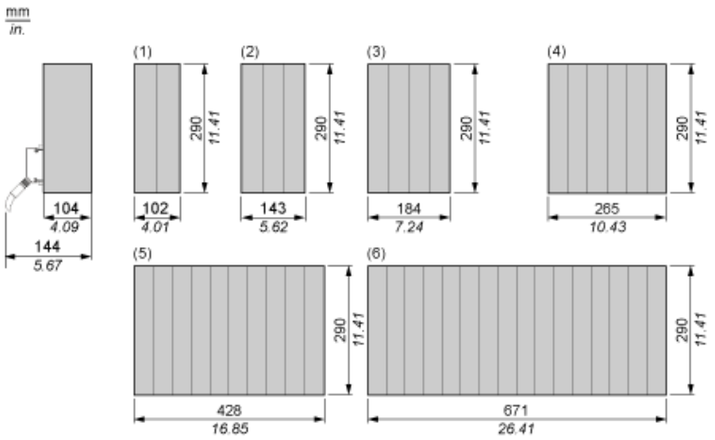
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental 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
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Racks for Modules Mounting

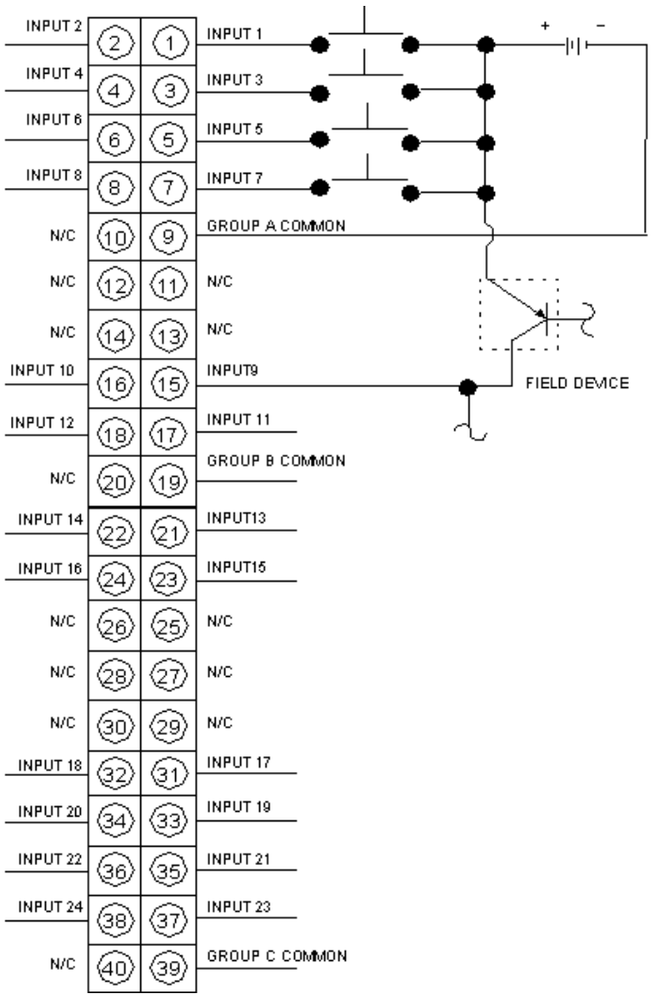
Dimensions of Modules and Racks



(1) 2 slots
(2) 3 slots
(3) 4 slots
(4) 6 slots
(5) 10 slots
(6) 16 slots

125 Vdc Discrete Input Sink Module

Wiring Diagram



N/C Not Connected

Recommended replacement(s)

140DDI67300 is replaced by:

1x 

discrete input module X80 - 16 inputs - 125 V DC

BMXDDI1604T