



Main

Range of product	Modicon Quantum automation platform
Product or component type	VAC discrete input modules
Software name	Concept ProWORX 32 Unity Pro
Discrete input number	16

Complementary

Group of channels	16
Addressing requirement	1 input word
Discrete input voltage	24 V AC
Input current	≤ 12 mA 57...63 Hz ≤ 10.7 mA 47...53 Hz
Voltage state 1 guaranteed	16...30 V AC at 57...63 Hz 18...30 V AC at 47...53 Hz
Voltage state 0 guaranteed	0...6 V at 57...63 Hz 0...5 V at 47...53 Hz
Input impedance	2600 Ohm capacitive at 57...63 Hz 3100 Ohm capacitive at 47...53 Hz
Network frequency limits	47...63 Hz
Leakage current	≤ 1.9 mA
Absolute maximum input	30 V continuous 32 V 10 s 50 V 1 cycle
Response time	4.9...0.75 ms x line cycle Off-On 7.3...12.3 ms On-Off
Isolation between channels	1780 Vrms for 1 minute
Isolation between channels and bus	1780 Vrms for 1 minute
Bus current requirement	180 mA
Power dissipation in W	≤ 5.5 W

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

Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 16 LEDs green input status
Marking	CE
Module format	Standard
Product weight	0.3 kg

Environment

Standards	CSA C22.2 No 142 UL 508
Product certifications	CUL 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

Offer Sustainability

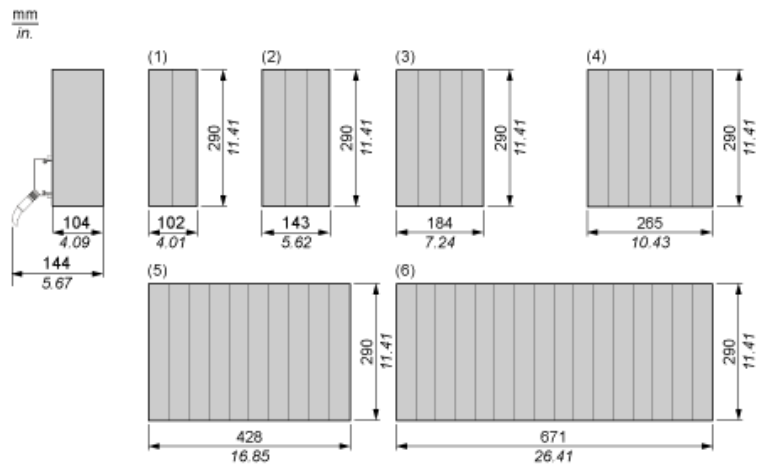
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0834 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental 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

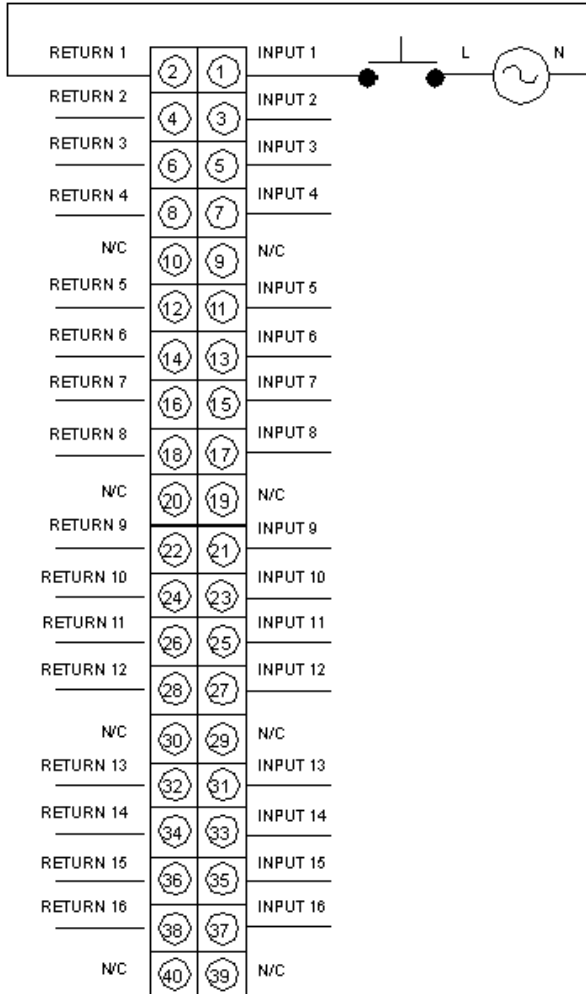
Dimensions of Modules and Racks



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

24 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected

140DAI34000 is replaced by:



Standard environment BMXDAI1602

discrete input module M340 - 16 inputs - 24 V AC/DC negative

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2021 | Not same dimensions/design - no 16 ch-ch 24VAC isolated input