

## Product data sheet

### Characteristics

# 140DAI74000

## discrete input module Modicon Quantum - 16 I - 230 V AC



### Main

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

### Complementary

Group of channels	16
Addressing requirement	1 input word
Discrete input voltage	230 V AC
Input current	$\leq 11.5$ mA 57...63 Hz $\leq 9.7$ mA 47...53 Hz
Voltage state 1 guaranteed	165...264 V AC at 57...63 Hz 175...264 V AC at 47...53 Hz
Voltage state 0 guaranteed	0...40 V AC at 57...63 Hz 0...40 V AC at 47...53 Hz
Input impedance	26500 Ohm capacitive at 57...63 Hz 31800 Ohm capacitive at 47...53 Hz
Network frequency limits	47...63 Hz
Leakage current	$\leq 2.6$ mA
Absolute maximum input	264 V continuous 300 V 10 s 400 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

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	0.35 kg

### Environment

Standards	CSA C22.2 No 142 UL 508
Product certifications	FM Class 1 Division 2 CUL
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 0846 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">End of Life Information</a>
Product end of life instructions	Available

### Contractual warranty

Warranty period	18 months
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140DAI74000 is replaced by:



#### Standard environment BMXDAI0805

discrete input module X80 - 8 inputs - 200...240 V AC

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2021 | Not same dimensions/design - no equivalent 16-ch 230VAC input(isol. by channel)

# CONTACT US & SUPPORT

NEED A QUOTE OR TECHNICAL PARTS REPLACEMENT?

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