

Product datasheet

Specifications



Modicon Quantum - latch/interrupt module - 16 I - fast isolated

140HLI34000C

⚠ Discontinued on: 01 Nov 2022

⚠ End-of-service on: 31 Dec 2025

⚠ Discontinued - Service only

Main

Range of product	Modicon Quantum automation platform
Product or component type	Latch/interrupt module

Complementary

Number of inputs	16
Discrete input type	Fast isolated
Absolute maximum input	30 V DC
Voltage state 0 guaranteed	-3...5 V
Voltage state 1 guaranteed	15...30 V
Current state 0 guaranteed	2...8 mA
Current state 1 guaranteed	<= 0.5 mA
Response time	130 µs at Off-On 30 µs at On-Off
Reverse polarity protection	Internal in 30 V
Isolation between channels	500 V for 60 s AC
Isolation between channels and bus	1780 V for 60 s AC
Bus current requirement	400 mA
Power dissipation	2.0 W + (0.3 x number of points on)
Mounting support	Backplane for local architecture
Marking	CE
Module format	Standard

Environment

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
Protective treatment	Conformal coating Humiseal 1A33

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

Standards	UL 508
Product certifications	CSA Class 1 Division 2 C-Tick DNV UL GOST FM Class 1 Division 2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.0 cm
Package 1 Width	16.5 cm
Package 1 Length	31.0 cm
Package 1 Weight	428.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1282.0 g

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

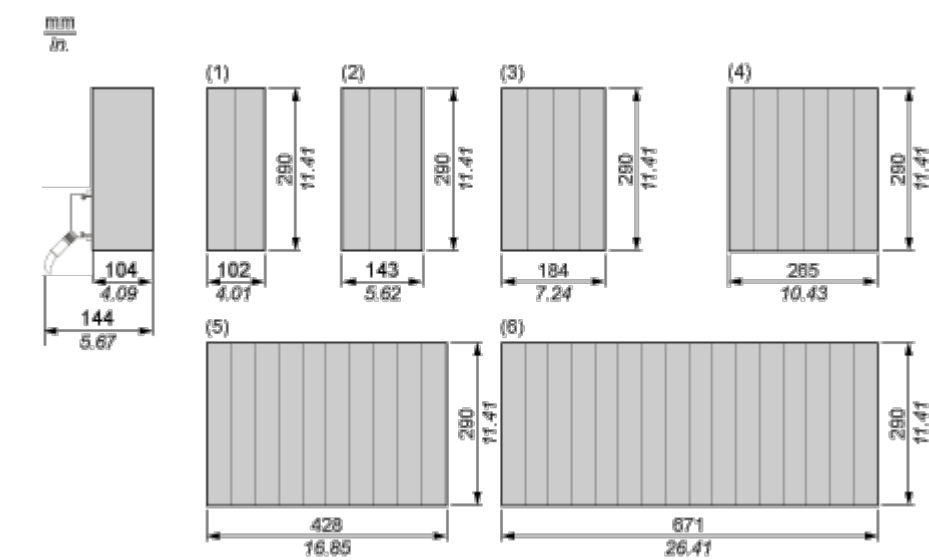
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

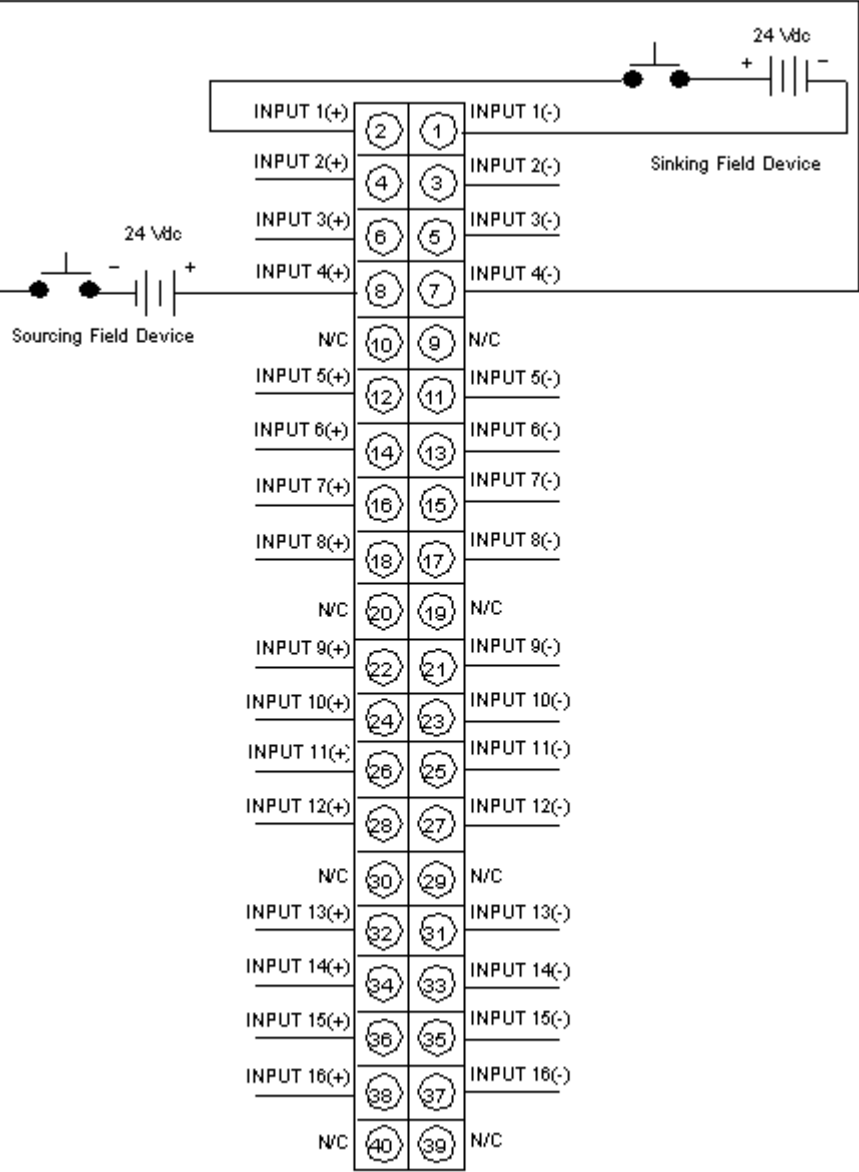


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

High Speed Latch and Interrupt Module

Wiring Diagram



N/C Not Connected