

Product datasheet

Specifications



Coated Modicon Quantum Ethernet DIO network module - RJ45 - 10/100 Mbit/s

140NOC78000C

! Discontinued - Service only

! Discontinued on: 29 Nov 2021

! End-of-service on: 01 Jan 2025

Price: 97,209.00 ZAR

Main

Range of product	Modicon Quantum automation platform
Product or component type	Ethernet I/O head module

Complementary

Product compatibility	140CPU6xxx
Communication port protocol	EtherNet/IP Modbus TCP
Exchange mode	Full duplex
Maximum number of connections	128
Transmission rate	10/100 Mbit/s
Redundancy	Yes hot standby redundant architecture
Topology	Daisy chain loop Redundant ring
Web server	Embedded
Communication service	NTP time synchronization CIP Explicit messaging (client messaging) SNMP agent Embedded 4-port switch Quality of Service (QoS) FDR server CIP implicit messaging (I/O communication) Device Type Manager (DTM) DHCP/BootP server
Ethernet service	Rapid Scanning Tree Protocol (RSTP)
Transmission support medium	Twisted pair
Port Ethernet	RJ45: 10BASE-T/100BASE-TX
Marking	CE
Supply	Via the power supply of the rack
Local signalling	1 LED (green) for communication on the bus (Active) 1 LED (green) for configuration status (Ready) 1 LED (green/red) for module status (Mod Status) 1 LED (green/red) for network communication status (Net Status) 1 LED (green/red) for device network status (Net Status 1) 1 LED (green/red) for extended DIO network status (Net Status 2)
Module format	Standard
Net weight	0.345 kg

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

Environment

Standards	EN 61131-2 IEC 61000-4-16 UL 508 CSA C22.2 No 142 EN 61131-1 EN 55011 FM Class 1 Division 2
Product certifications	hazardous location class 1, division 2 Merchant Navy GOST C-Tick LR
IP degree of protection	IP20
Ambient air temperature for operation	0...60 °C
Relative humidity	10...95 % at 60 °C without condensation

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 cm
Package 1 Width	16.5 cm
Package 1 Length	31.5 cm
Package 1 Weight	570.0 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 Better

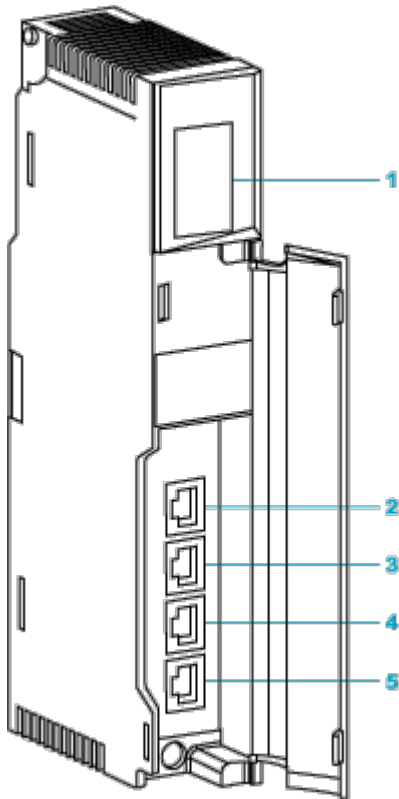
Materials and Substances	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)

Use Longer

Lifetime extension	
Repair	No

Presentation

Presentation

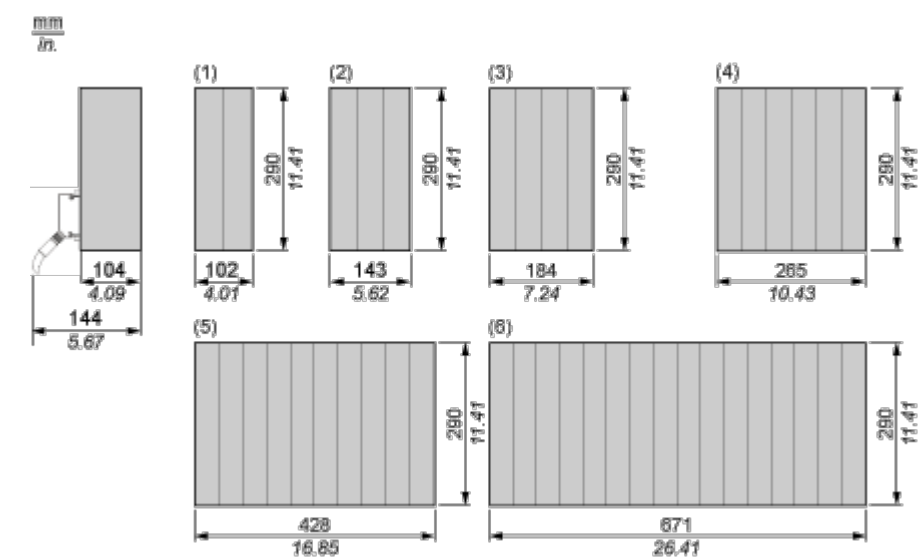


- 1 LED display
- 2 SERVICE port (ETH 1)
- 3 INTERLINK port (ETH 2)
- 4 DEVICE NETWORK port (ETH 3)
- 5 DEVICE NETWORK port (ETH 4)

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