

Product data sheet

Specifications



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

140NOC78100

! Discontinued on: 31 December 2018

! To be end-of-service on: 31 December 2026

! Discontinued - Service only

Main

Range of product	Modicon Quantum automation platform
Product or component type	Ethernet control module

Complementary

Product compatibility	140CPU6xxxx
Communication port protocol	Modbus TCP EtherNet/IP
Exchange mode	Full duplex
Maximum number of connections	64
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 FDR server CIP implicit messaging (I/O communication) CIP Explicit messaging (client messaging) Embedded router SNMP agent Quality of Service (QoS) SMTP e-mail notification Embedded 4-port switch 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
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Environment

Standards	UL 508 EN 55011 EN 61131-2 FM Class 1 Division 2 EN 61131-1 IEC 61000-4-16 CSA C22.2 No 142
Product certifications	hazardous location class 1, division 2 C-Tick GOST LR Merchant Navy
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 Weight	556 g
Package 1 Height	4.5 cm
Package 1 width	16.5 cm
Package 1 Length	31.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	4.292 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

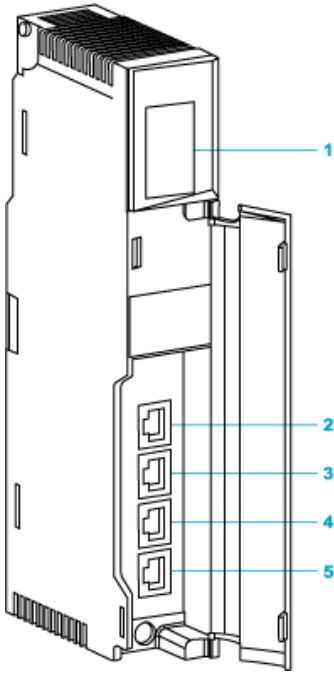
Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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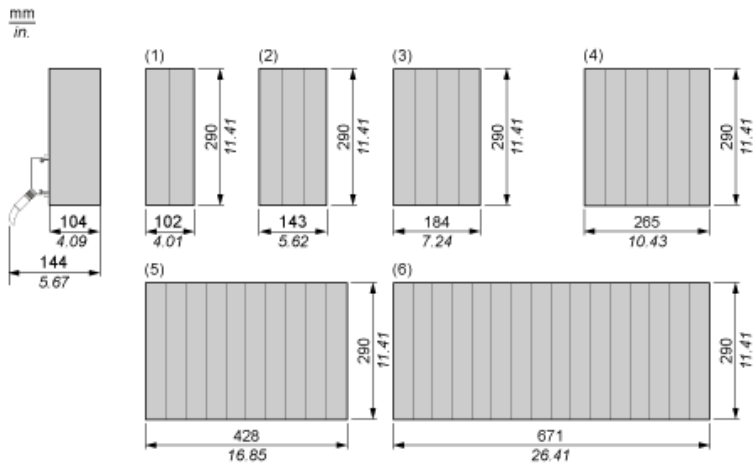
Presentation



- 1 LED display
- 2 SERVICE/EXTEND port (ETH 1)
- 3 INTERLINK port (ETH 2)
- 4 CTRL NETWORK port (ETH 3)
- 5 CTRL NETWORK port (ETH 4)

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

Recommended replacement(s)

140NOC78100 is replaced by:

1x



Communication module, Modicon M580, Ethernet 3 subnets, IP Forwarding function
BMENOC0321