

Product data sheet

Specifications



Ethernet control module, Modicon Quantum, Modbus TCP, EtherNet I/P, 10/100Mbit/s

140NOC78100

⚠ Discontinued on: Dec 31, 2018

⚠ To be end-of-service on: Dec 31, 2026

⚠ Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

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	for communication on the bus (Active) 1 LED (green) for configuration status (Ready) 1 LED (green) 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) 1 LED (green/red)
Module format	Standard

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Product Weight	0.761 lb(US) (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	32...140 °F (0...60 °C)
Relative humidity	10...95 % 140 °F (60 °C) without condensation

Ordering and shipping details

Category	US1PC2118150
Discount Schedule	PC21
GTIN	3595864153261
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	6.50 in (16.5 cm)
Package 1 Length	12.40 in (31.5 cm)
Package 1 Weight	19.6 oz (556.0 g)

Contractual warranty

Warranty	18 months
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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 >](#)

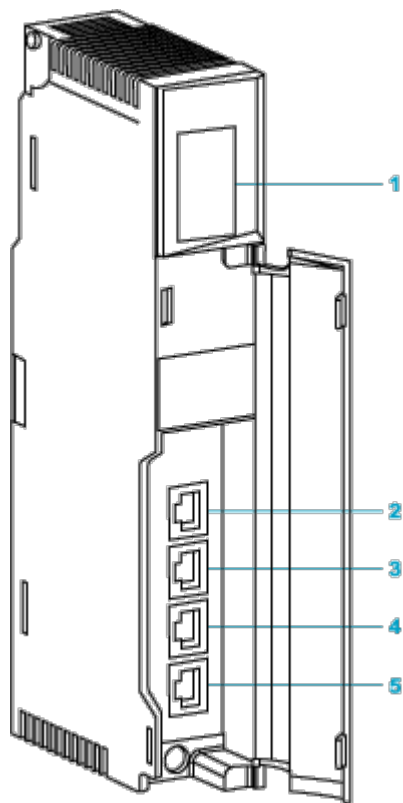
[How we assess product sustainability >](#)

Use Better

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

Presentation

Presentation

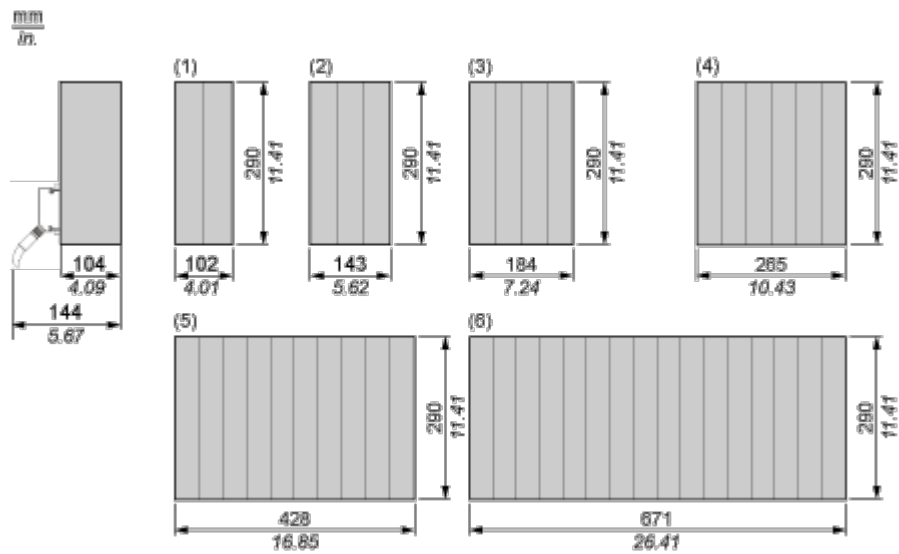


- 1 LED display
- 2 SERVICE/EXTEND port (ETH 1)
- 3 INTERLINK port (ETH 2)
- 4 CTRL NETWORK port (ETH 3)
- 5 CTRL NETWORK port (ETH 4)

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