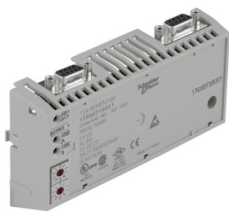# Product data sheet

Specifications

Modicon Momentum - Modbus Plus communication adaptor

170PNT16020

⚠ **Discontinued on:** Mar 15, 2022

⚠ **Discontinued**

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

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Modbus Plus communication adaptor
Bus Manager Plc	Quantum
Structure Type	Industrial
Communication Port Protocol	Modbus Plus
Method Of Access	Token bus Peer to peer
Transmission Rate	1 Mbit/s
Transmission Support Medium	Twisted pair

Complementary

Redundancy	Yes
Topology	Multidrop, device connecting by extension or tap off cable
Number Of Devices Per Segment	0…31 per segment 0…63 all segment
Maximum Cable Distance Between Devices	16404.20 ft (5000 m) with repeater
Data Format	IEC 61131-2
Fail State	Forcing to state zero Full scale value Fallback to zero Maintain value
Supply	From I/O base
Marking	CE
Local Signalling	for module powered up or communicating (MB + ACT) 1 LED (green) for communication error network A (ERR A) 1 LED (red) for communication error network B (ERR B) 1 LED (red)
Electrical Connection	1 connector SUB-D 9 for connecting Modbus Plus network 1 connector SUB-D 9 for redundant Modbus Plus network

Environment

Product Certifications	CSA UL
Standards	FM Class 1 Division 2
Protective Treatment	TC

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

Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80...1000 MHz IEC 801-3
Ambient Air Temperature For Operation	32…140 °F (0…60 °C)
Ambient Air Temperature For Storage	-40…185 °F (-40…85 °C)
Relative Humidity	95 % without condensation
Operating Altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	US1PC3118206
Discount Schedule	PC31
Gtin	3595861147492
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	7.58 oz (215.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	30.72 oz (871.0 g)

Contractual warranty

Warranty	18 months

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Learn more about Green Premium ›

Guide to assess a product's sustainability ›

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov