Product data sheet

Specifications

Modicon Momentum - Conformal coating - Modbus Plus communication adaptor

170PNT11020C

⚠ Discontinued on: Jan 26, 2021

⚠ **Discontinued**

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Modbus Plus communication adaptor
Bus Manager Plc	Quantum Premium
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

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 Fallback to zero Full scale value Maintain value
Supply	From I/O base
Marking	CE
Local Signalling	Module powered up or communicating (MB + ACT) 1 LED green) Communication error network A (ERR A) 1 LED red) 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	Conformal coating Humiseal 1A33 TC

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Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/yd (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	<= 5000 m

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	7.51 oz (213.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	30.05 oz (852.0 g)

Contractual warranty

Warranty	18 months

Sustainability

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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