



### 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	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	1 LED (green) for module powered up or communicating (MB + ACT) 1 LED (red) for communication error network A (ERR A) 1 LED (red) for communication error network B (ERR B)
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[RETURN]UL
Standards	FM Class 1 Division 2
Protective treatment	TC
Resistance to electrostatic discharge	4 KV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-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	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm

Package 1 Weight	215.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	2
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	871.0 g

### Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months
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