

Modicon Quantum automation platform

Catalog

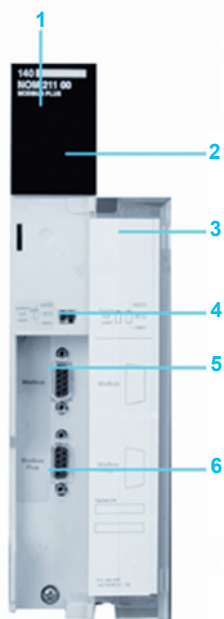
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Connection (continued)

For diagram numbers, see page 5/48

- 1 **140NOM21200**: Quantum Modbus Plus head-end interface, redundant medium, twisted pair cable
- **140NOM21100**: Quantum Modbus Plus head-end interface, single medium, twisted pair cable
- 2 **140NOM25200**: Quantum Modbus Plus head-end interface, redundant medium, optical fibre cable (TX/RX)
- 3 **140CPU**: Quantum CPU with integrated Modbus Plus port, single-cable medium, twisted pair cable
- 4 **140CRA21210**: Quantum Modbus Plus drop interface and power supply, redundant medium, 115/230 V ~
- **140CRA21220**: Quantum Modbus Plus drop interface and power supply, redundant medium, 24 V ---
- 5 **140CRA21110**: Quantum Modbus Plus drop interface and power supply, single-cable medium, 115/230 V ~
- **140CRA21120**: Quantum Modbus Plus drop interface and power supply, single-cable medium, 24 V ---
- 6 **170PNT16020**: Momentum Modbus Plus communication adaptor, redundant network, IEC medium
- 7 **170NEF16021**: Momentum Modbus Plus communication adaptor, redundant network, 984 medium
- **170NEF11021**: Momentum Modbus Plus communication adaptor, non-redundant network, 984 medium
- 8 **170PNT11020**: Momentum Modbus Plus communication adaptor, non-redundant network, IEC medium
- 9 **490NRP25400**: Modbus Plus repeater, line/drop, optical fibre medium
- **490NRP25300**: Modbus Plus repeater, point-to-point, optical fibre medium
- **NWBM85C002**: Modbus Plus gateway/multiplexer, panel or shelf mount, 4 Modbus Plus ports
- **NWRR85001**: Modbus Plus repeater, coaxial cable
- 10 **AMSA85030**: Modbus Plus ISA PC adaptor, single port
- 11 **416NHM30030**: Modbus Plus PCI PC adaptor, single port
- 12 **SWMXDS001**: Modbus Plus driver suite
- 13 **990NAD23011**: Modbus Plus T-connector ruggedized terminators
- 14 **174CEV20040**: Modbus Plus-Ethernet bridge
- 15 **416NHM21234**: Modbus Plus type III PCMCIA card, single port with Plug-and-Play capability
- 16 **990NAD23000**: Modbus Plus T-connector, IP 20
- 17 **990NAD23010**: Modbus Plus T-connector, IP 65
- **ASMBKT085**: Modbus Plus inline connector
- **ASMBKT185**: Modbus Plus terminating connector
- 18 **990NAD21110**: Drop cable, 2.4 m
- 19 **990NAA21510**: Ruggedized T-connector programming cable, 3.05 m
- 20 **170MCI02120**: Modbus Plus RJ45 cable, 3.05 m
- 21 **170XTS02000**: Modbus Plus "T" connector (DB9 base)
- 22 **170MCI02010**: Modbus Plus RS 485 cable, 25 cm
- 23 **170MCI02080**: Modbus Plus RJ45 cable, differential, 10 m
- 24 **170XTS02100**: Modbus Plus RJ45 terminator
- 25 **416NHM30032**: Modbus Plus PCI PC adaptor, two ports
- **NWBP85002**: Modbus Plus Bridge Plus, 4 Modbus Plus ports



140NOM211●0 /
140NOM212●0

Description

140CPU modules incorporate a Modbus Plus port as standard, which can be used for DIO network no. 1 (see description on pages 1/8 and 1/9).

140NOM211●0 and **140NOM212●0** Modbus Plus head-end adaptors for DIO network no. 2 or no. 3 have the following on the front panel:

- 1 Model number and colour code
- 2 A display block with 6 LEDs: Ready (green), Fault (red), Pwr ok (green), Modbus + (green), Ready (green), Error B (red)
- 3 A removable hinged door with a customizable identification label
- 4 A microswitch for configuring the Modbus port (ASCII-RTU-mem)
- 5 A 9-way female SUB-D connector for connecting the Modbus link
- 6 A 9-way female SUB-D connector for connection to DIO Modbus Plus network no. 2 or no. 3

References (continued)

Connection cables

Description	Length m/ft	Item	Reference	Weight kg/lb
Modbus Plus standard cables	30.5/100.07	—	490NAA27101	—
	152.5/500.33	—	490NAA27102	—
	305/1000.65	—	490NAA27103	—
	457/1558.39	—	490NAA27104	—
	1525/5003.27	—	490NAA27106	—
Modbus Plus drop cables	2.4/7.87	18	990NAD21110	—
	6/19.68	—	990NAD21130	—
PC programming cable/ T-connector	3.05/10.01	19	990NAA21510	—
Modbus Plus RS 485 cable	0.25/0.82	22	170MCI02010	—
	1/3.28	—	170MCI02036	—
Modbus Plus RS 485 Master communication cable (RJ45/RJ45)	0.3/0.98	—	170MCI04110	—
Modbus Plus RJ45 cable	3/9.84	20	170MCI02120	—
Modbus Plus differential RJ45 cables	3/9.84	—	170MCI02180	—
	10/32.81	23	170MCI02080	—
Cable (RJ45/RJ45)	1/3.28	—	110XCA28201	—
	3/9.84	—	110XCA28202	—
	6/19.68	—	110XCA28203	—

Cabling accessories

Description	Type	Item	Reference	Weight kg/lb
Modbus Plus power supply module connector	IP 20	—	140XTS00500	—
Modbus Plus D-shell adaptor for AT serial port	9-way RJ45	—	110XCA20300	—
Modbus Plus D-shell adaptor for XT serial port	25-way RJ45	—	110XCA20400	—

Cabling tools

Description	Item	Reference	Weight kg/lb
Modbus Plus network cable installation tool	—	ASMBPL001	—
RJ crimping tool	—	170XTS02300	—
Earthing clamp	—	424244739	—

Connectors

Description	Sold in lots of	Item	Reference	Weight kg/lb
Modbus Plus inline	1 per kit	—	ASMBKT085	—
Modbus Plus terminator	2 per kit	—	ASMBKT185	—
Modbus Plus "T" connector (DB9 base)	1	21	170XTS02000	—
RJ45 terminator	2 per kit	24	170XTS02100	—
RJ45 "T" connector for RS 485 cable (DB9 base)	—	—	170XTS04000	—
RJ45 shielded connectors	20 per kit	—	170XTS02200	—
RJ45 "T" connector for RS 485 cable	1	—	170XTS04100	—
RS 485 multi-master RJ45 drop connections	2	—	170XTS04200	—

T-connectors

Description	Sold in lots of	Item	Reference	Weight kg/lb
Modbus Plus T-connector, IP 20	1	16	990NAD23000	—
Modbus Plus ruggedized T-connector, IP 65	1	17	990NAD23010	—
Modbus Plus T-connector ruggedized terminators	2 per kit	13	990NAD23011	—
Modbus Plus DIN rack flush- mounting assembly with ruggedized T-connector	1	—	990NAD23012	—
Modbus Plus lightning arrester	1	—	490NAC72100	—

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