

## Automation Products Parts List

### Modicon® M340™ Programmable Logic Controller

Effective: 11-06-07

#### Modicon M340 Processors

BMXP341000	Central Processing Unit for Modicon M340 Programmable Logic Controller, Standard Level 1, 2Mb RAM, USB port, 1-communication port: Modbus/Serial, includes 8Mb memory card
BMXP342010	Central Processing Unit for Modicon M340 Programmable Logic Controller, Advanced Level 2, 4Mb RAM, USB port, 2-communications ports: Modbus/Serial and CANopen master, includes 8Mb memory card.
BMXP342020	Central Processing Unit for Modicon M340 Programmable Logic Controller, Advanced Level 2, 4Mb RAM, USB port, 2-communications ports: Modbus/Serial and Ethernet-Modbus/TCP, includes 8Mb memory card.
BMXP342030	Central Processing Unit for Modicon M340 Programmable Logic Controller, Advanced Level 2, 4Mb RAM, USB port, 2-communications ports: Ethernet-Modbus/TCP and CANopen master, includes 8Mb memory card.

#### Memory Cards for Modicon M340 Products

BMXRMS008MP	Spare Memory Card for Modicon M340 Programmable Logic Controller, 8Mb. When inserted in processor this memory card: – insures application backup – activates the WEB server on the Ethernet CPU-embedded port conforming to Transparent Ready class B (Rack Viewer, Data Editor)
BMXRMS008MPF	Expansion Memory Card for Modicon M340 Programmable Logic Controller, 16MB. When inserted in the processor this memory card: – insures application backup – activates the WEB server on the Ethernet CPU-embedded port conforming to Transparent Ready class B (Rack Viewer, Data Editor) – provides 16 Mb for user file storage.
BMXRWSB000M	Spare 2MB Memory Card for Modicon M340 Ethernet Option Module (NOE) When inserted in the Ethernet option module BMXNOE0100, the provided services conform to Transparent Ready class B30 (Rack Viewer, Data Editor).
BMXRWSC016M	Expansion 16MB Memory Card for Modicon M340 Ethernet Option Module (NOE) When inserted in the Ethernet option module BMXNOE0100, expands services conforming to Transparent Ready class C30 (Rack Viewer, Data Editor, plus 16 Mb available for customized web pages).

#### Backplane / Racks for Modicon M340

BMXXBP0400	Modicon M340 4-Slot Backplane - One slot for Power Supply + 4 slots for single width modules & CPU. DIN-rail-mount. 242.4mm x 103.7mm (9.54 x 4.08 inches)
BMXXBP0600	Modicon M340 6-Slot Backplane - One slot for Power Supply + 6 slots for single width modules & CPU. DIN-rail-mount. 307.6mm x 103.7mm (12.11 x 4.08 inches)
BMXXBP0800	Modicon M340 8-Slot Backplane - One slot for Power Supply + 8 slots for single width modules & CPU. DIN-rail-mount. 372.8mm x 103.7mm (14.67 x 4.08 inches)
BMXXBP1200	Modicon M340 12-Slot Backplane - One slot for Power Supply + 12 slots for single width modules & CPU. NOT DIN-rail-mount. 503.2mm x 103.7mm (19.81 x 4.08 inches)

#### Power Supplies for Modicon M340

Each power supply is provided with a screw terminal block set for power and alarm connections.	
BMXCPS2000	Power Supply for Modicon M340 Programmable Logic Controller, 115 / 240 VAC, 20W
BMXCPS3500	Power Supply for Modicon M340 Programmable Logic Controller, 115 / 240 VAC, 36W
BMXCPS2010	Power Supply for Modicon M340 Programmable Logic Controller, 24 VDC Isolated, 16W
BMXCPS3020	Power Supply for Modicon M340 Programmable Logic Controller, 24-48 VDC Isolated, 31W
BMXXTSCPS10	Spare power supply screw terminal block set for power and alarm connections
BMXXTSCPS20	Spring-type power supply terminal block set for power and alarm connections

#### Discrete Input Modules for Modicon M340

Terminal Blocks or Connector Cables must be ordered separately for each module. Order 1-terminal block or correct number of cables (see Cable Accessories) depending on connection requirements.	
BMXDDI1602	Modicon M340 Discrete DC Input, (16) 24 VDC, Sink (positive logic), IEC Type 3, 20 points terminal block
BMXDAI1604	Modicon M340 Discrete AC Input, (16) 120 VAC, IEC Type 3, 20 points terminal block
BMXDDI3202K	Modicon M340 Discrete DC Input, (32) 24 VDC, Sink (positive logic), IEC Type 3, 1-FCN type connector (40 points)
BMXDDI6402K	Modicon M340 Discrete DC Input, (64) 24 VDC, Sink (positive logic), 2-FCN type connectors (40 points)



## Automation Products Parts List

### Modicon® M340™ Programmable Logic Controller

BMXFTB2000	Screw terminal block (20 points), screw clamp, Connection Accessory for Modicon M340
BMXFTB2010	Screw terminal block (20 points), square washer, Connection Accessory for Modicon M340
BMXFTB2020	Spring terminal block (20 points), push spring, Connection Accessory for Modicon M340

#### Discrete Outputs for Modicon M340

Terminal Blocks or Connector Cables must be ordered separately for each module. Order 1-terminal block or correct number of cables (see Cable Accessories) depending on connection requirements.	
BMXDDO1602	Modicon M340 Discrete DC Output, (16) Transistor Outputs, 24 VDC, 0.5 Amp, (Source logic), diagnostics and protection per channel, 20 points terminal block
BMXDRA1605	Modicon M340 Discrete AC / DC Output, (16) Relays, 24 VDC or 24...240 VAC, 3Amp (lth), No protection, 20 points terminal block
BMXDRA0805	Modicon M340 Discrete AC / DC Output, (8) Isolated relays, 24 VDC or 24...240 VAC, 3Amp (lth), No protection, 20 points terminal block
BMXDDO3202K	Modicon M340 Discrete DC Output, (32) Transistor Outputs, 24 VDC, 0.1 Amp, (Source logic), diagnostics and protection per channel, 1-FCN type connector (40 points)
BMXDDO6402K	Modicon M340 Discrete DC Output, (64) Transistor Outputs, 24 VDC, 0.1 Amp, (Source logic), diagnostics and protection per channel, 2-FCN type connector (40 points)
BMXFTB2000	Screw terminal block (20 points), screw clamp, Connection Accessory for Modicon M340
BMXFTB2010	Screw terminal block (20 points), square washer, Connection Accessory for Modicon M340
BMXFTB2020	Spring terminal block (20 points), push spring, Connection Accessory for Modicon M340

#### Mixed Discrete Inputs & Outputs for Modicon M340

Terminal Blocks or Connector Cables must be ordered separately for each module. Order 1-terminal block or correct number of cables (see Cable Accessories) depending on connection requirements.	
BMXDDM16022	Modicon M340 Discrete DC Inputs and Outputs Combination module, (8) Inputs, 24 VDC, Sink (positive logic), IEC Type 3, and (8) Transistor Outputs, 24 VDC, 0.5 Amp, (Source logic), diagnostics and protection per channel, 20 points terminal block.
BMXDDM16025	Modicon M340 Discrete DC Inputs and Relay Outputs Combination module, (8) Inputs, 24 VDC, Sink (positive logic), IEC type 3, and (8) Outputs, Relays, 24 VDC / 24...240 VAC 3 Amp (lth), No protection, 20 points terminal block.
BMXDDM3202K	Modicon M340 Discrete DC Inputs and Outputs Combination module, (16) Inputs, 24 VDC, Sink (positive logic), IEC Type 3, and (16) Transistor Outputs, 24 VDC, 0.1 Amp, Source logic, diagnostics and protection per channel, 1-FCN type connector (40 points)
BMXFTB2000	Screw terminal block (20 points), screw clamp, Connection Accessory for Modicon M340
BMXFTB2010	Screw terminal block (20 points), square washer, Connection Accessory for Modicon M340
BMXFTB2020	Spring terminal block (20 points), push spring, Connection Accessory for Modicon M340

#### Analog Input Modules for Modicon M340

Terminal Blocks or Connector Cables must be ordered separately for each module. Order correct terminal block or quantity and type of cables (see Analog Connection Accessories) depending on connection requirements.	
BMXAMI0410	Modicon M340 Analog Input module, (4) multi-range channels (+10v, 0-10v, 0-5v/0-20ma, 1-5v/4-20ma, +5v/+20ma), high level fast inputs, high speed, 16-bit resolution, isolated channels, 20 points terminal block.
BMXART0414	Modicon M340 Analog RTD / Thermocouple Input module, (4) multi-range channels : (2,3,4 wires), temperature inputs, 15-bit + sign resolution, isolated channels (300 V), 1-FCN type connector (40 points).
ABE7CPA410	Isolated sensor power supply distribution Modicon M340 Connection Accessory (Telefast), for the high level input module BMX AMI0410, provides 4 isolated and protected power supplies for current loops 4-20mA, allows direct wiring of 4 current or voltage Inputs, requires BMXFCA**0 cable.
ABE7CPA412	Modicon M340 Connection Accessory (Telefast), provides connection and the Cold Junction compensation for thermocouples sensors of temperature input module BMX ART0414. Makes direct wiring easier on the 4 temperature Inputs, requires BMXFCA**2 cable.

#### Analog Output Modules for Modicon M340

Terminal Blocks or Connector Cables must be ordered separately for each module. Order correct terminal block or quantity and type of cables (see Analog Connection Accessories) depending on connection requirements.	
BMXAMO0210	Modicon M340 Analog Output module, (2) multi-range channels ( $\pm$ 10v, 0-20ma, 4-20ma), high speed, 15-bit + sign resolution, isolated channels, 20 points terminal block.

## Automation Products Parts List

### Modicon® M340™ Programmable Logic Controller

#### Analog Connection Accessories for Modicon M340

BMXFCA150	Cable for Analog Inputs module: (1) FTB terminal block and (1) D-Sub25 for connection of BMX AMI 0410 with Telefast ABE7CPA410, 1.5 m.
BMXFCA300	Cable for Analog Inputs module: (1) FTB terminal block and (1) D-Sub25 for connection of BMX AMI 0410 with Telefast ABE7CPA410, 3 m.
BMXFCA500	Cable for Analog Inputs module: (1) FTB terminal block and (1) D-Sub25 for connection of BMX AMI 0410 with Telefast ABE7CPA410, 5 m.
BMXFCA152	Cable for RTD/Thermocouple Inputs module: (1) FCN and (1) D-Sub25 for connection of BMX ART 0x14 with Telefast ABE7CPA412, 1.5 m.
BMXFCA302	Cable for RTD/Thermocouple Inputs module: (1) FCN and (1) D-Sub25 for connection of BMX ART 0x14 with Telefast ABE7CPA412, 3 m.
BMXFCA502	Cable for RTD/Thermocouple Inputs module: (1) FCN and (1) D-Sub25 for connection of BMX ART 0x14 with Telefast ABE7CPA412, 5 m.
BMXFCW301S	Cable for Analog Inputs or Outputs module: (1) FCN connector on shielded cable with color coded flying leads, 3 m.
BMXFCW501S	Cable for Analog Inputs or Outputs module: (1) FCN connector on shielded cable with color coded flying leads, 5 m.
BMXFTW301S	Cable for Analog Inputs or Outputs module: (1) FTB terminal block on shielded cable with color coded flying leads, 3 m.
BMXFTW501S	Cable for Analog Inputs or Outputs module: (1) FTB terminal block on shielded cable with color coded flying leads, 5 m.

#### Expert Modules for Modicon M340

One (1) Counter Wiring Connector or Terminal Block must be ordered separately for each module, as noted.	
BMXEHC0200	High Speed Counter Module: (2) Channels @ 60 KHz, (6) 24VDC inputs and (2) 24VDC transistor outputs, (4) counting modes, (4) measuring modes and PWM . Requires 1-BMXXTSHSC20.
BMXEHC0800	High Speed Counter Module: (8) Channels @ 10 KHz, (2) 24VDC inputs, (5) counting modes, (1) measuring mode. Requires one terminal block BMXFTB20x0.
BMXXTSHSC20	Connectors set for each BMXEHC0200 Counter Module: (2) 16-terminal spring clamp connectors and (1) 10-terminal spring clamp connector

#### Networking Modules for Modicon M340

BMXNOE0100	Ethernet Network Module (NOE): (1) RJ45 10/100 Ethernet port, includes memory card with 2Mb space for Transparent Ready services according to Class B30, or if the optional 16Mb memory card is inserted, provides many Class C30 services.
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#### Networking Accessories for Modicon M340

BMXRWSB000M	Spare Memory Card (2Mb) for Modicon M340 Ethernet option module (BMXNOE0100), provided services conform to Transparent Ready class B30.
BMXRWSC016M	Memory Card (16Mb) for Modicon M340 Ethernet option module (BMXNOE0100), provided services conform to Transparent Ready class C30. 16 Mb is available for user customized web pages.
TCSCMCN3M4F3C2	Serial Network Accessory: RJ45 to DB9 female crossed cable. Length 3m. This cable is used to connect a RS232 DTE device (typically a PC or a printer) to the CPU's embedded serial port.
TCSCMCN3M4M3S2	Serial Network Accessory: RJ45 to DB9 male straight cable. Length 3m. This cable is used to connect a RS232 DCE device (typically a modem) to the CPU's embedded serial port.

**Use Schneider Electric's ConneXium switches and cable accessories on each quote requiring Ethernet-based connectivity.**

#### Cable Accessories for Discrete Modules of Modicon M340

BMXFTW301	Cable for Digital Inputs or Outputs modules: (1) FTB terminal block preformed on one 20-wire cable with color coded flying leads, 3 m.
BMXFTW501	Cable for Digital Inputs or Outputs modules: (1) FTB terminal block preformed on one 20-wire cable with color coded flying leads, 5 m.
BMXFTW1001	Cable for Digital Inputs or Outputs modules: (1) FTB terminal block preformed on one 20-wire cable with color coded flying leads, 10 m.
BMXFCW301	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN connector preformed on one 20-wire cable with color coded flying leads, 3 m.
BMXFCW501	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN connector preformed on one 20-wire cable with color coded flying leads, 5 m.
BMXFCW1001	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN connector preformed on one 20-wire cable with color coded flying leads, 10 m.
BMXFCW303	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN connector preformed on two (2) 20-wire cable with color coded flying leads, 3 m.
BMXFCW503	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN connector preformed on two (2) 20-wire cable with color coded flying leads, 5 m.
BMXFCW1003	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN connector preformed on two (2) 20-wire cable with color coded flying leads, 10 m.
BMXFCC051	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (1) HE10, for direct connection to Telefast wiring system, 0.5 m.

**Automation Products Parts List**  
**Modicon® M340™ Programmable Logic Controller**

BMXFCC101	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (1) HE10, for direct connection to Telefast wiring system, 1 m.
BMXFCC201	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (1) HE10, for direct connection to Telefast wiring system, 2 m.
BMXFCC301	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (1) HE10, for direct connection to Telefast wiring system, 3 m.
BMXFCC501	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (1) HE10, for direct connection to Telefast wiring system, 5 m.
BMXFCC1001	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (1) HE10, for direct connection to Telefast wiring system, 10 m.
BMXFCC053	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (2) HE10, for direct connection to Telefast wiring system, 0.5 m.
BMXFCC103	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (2) HE10, for direct connection to Telefast wiring system, 1 m.
BMXFCC203	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (2) HE10, for direct connection to Telefast wiring system, 2 m.
BMXFCC303	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (2) HE10, for direct connection to Telefast wiring system, 3 m.
BMXFCC503	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (2) HE10, for direct connection to Telefast wiring system, 5 m.
BMXFCC1003	Cable for High-Density Digital Inputs or Outputs modules: (1) FCN to (2) HE10, for direct connection to Telefast wiring system, 10 m.

**Accessories for Modicon M340**

BMXXEM010	UNUSED SLOT CONNECTOR PROTECTIVE COVERS (kit of 5pcs)
BMXXSP0400	4-SLOT ELECTROSTATIC SHIELD KIT
BMXXSP0600	6-SLOT ELECTROSTATIC SHIELD KIT
BMXXSP0800	8-SLOT ELECTROSTATIC SHIELD KIT
BMXXSP1200	12-SLOT ELECTROSTATIC SHIELD KIT
BMXXCAUSBH018	USB GROUNDED PROGRAMMING CABLE, 1.8 m
BMXXCAUSBH045	USB GROUNDED PROGRAMMING CABLE, 4.5 m
BMXXDPPAK2030	M340 DISCOVERY KIT: Consists of 1-P2030 CPU, 1-AC Power Supply, 4-slot rack, 1-Extended memory card, 1-Digital Combo card 8-In / 8-out, Screw Terminal Block, Telefast Simulation unit with cable, USB cable, Unity Pro S single-user software (for M340 only)