BMXP342000

specific channel
Monitoring

processor module M340 - max 1024 discrete + 256 analog I/O - Modbus



Main Range of product Modicon M340 automation platform Product or component Processor module type Number of racks 1 Number of slots 11 Discrete I/O processor 1024 I/O single-rack configuration capacity Analogue I/O processor 256 I/O multi-rack configuration capacity 66 I/O single-rack configuration Number of application

Diagnostic counters Modbus

Event counters Modbus

Complementary

Control channels	Programmable loops		
Integrated connection type	Non isolated serial link RJ45 character mode asynchronous in baseband RS232C full duplex 0.319.2 kbit/s 2 twisted shielded pairs Non isolated serial link RJ45 character mode asynchronous in baseband RS485 half duplex 0.319.2 kbit/s 1 twisted shielded pair Non isolated serial link RJ45 Modbus master/slave RTU/ASCII asynchronous in baseband RS232C half duplex 0.319.2 kbit/s 1 twisted shielded pair Non isolated serial link RJ45 Modbus master/slave RTU/ASCII asynchronous in baseband RS485 half duplex 0.319.2 kbit/s 1 twisted shielded pair USB port 12 Mbit/s		
Communication module processor	2 Ethernet communication module 4 AS-Interface module		
Number of devices per segment	032 character mode 032 Modbus		
Number of devices	2 point-to-point character mode 2 point-to-point Modbus		
Bus length	010 m serial link non isolated character mode segment 010 m serial link non isolated Modbus segment 01000 m serial link isolated character mode segment 01000 m serial link isolated Modbus segment 015 m character mode point-to-point 015 m Modbus point-to-point		
Tap links length	015 m serial link non isolated character mode segment015 m serial link non isolated Modbus segment040 m serial link isolated character mode segment040 m serial link isolated Modbus segment		
Number of addresses	0248 character mode 0248 Modbus		
Requests	K data bytes per request character mode Z52 data bytes per RTU request Modbus S04 data bytes per ASCII request Modbus		
Control parameter	One CRC on each frame (RTU) Modbus One LRC on each frame (ASCII) character mode One LRC on each frame (ASCII) Modbus		
Memory description	2048 kB internal RAM 128 kB internal RAM for data 1792 kB internal RAM for program constants and symbols Supplied memory card (BMXRMS008MP) for backup of programs, constants, symbols and data		
Maximum size of object areas	128 kB unlocated internal data 16250 %Mi located internal bits 32464 %MWi internal words located internal data 32760 %KWi constant words located internal data		

Default size of object areas	128 %KWi constant words located internal data 256 %Mi located internal bits 512 %MWi internal words located internal data	
Application structure	1 cyclic/periodic master task 1 periodic fast task 32 event tasks No auxiliary task	
Execution time per instruction	0.18 μs Boolean 0.26 μs double-length words 0.38 μs single-length words 1.74 μs floating points	
Number of instructions per ms	4.2 Kinst/ms 65 % Boolean + 35 % fixed arithmetic 5.4 Kinst/ms 100 % Boolean	
System overhead	0.2 ms fast task 1.05 ms master task	
Current consumption	72 mA 24 V DC	
Supply	Internal power supply via rack	
Marking	CE	
Status LED	1 LED green processor running (RUN) 1 LED red I/O module fault (I/O) 1 LED red memory card fault (CARD ERR) 1 LED red processor or system fault (ERR) 1 LED yellow activity on Modbus (SER COM)	
Product weight	0.2 kg	
Environment	060 °C	
· ·	060 °C 1095 % without condensation	
Environment Ambient air temperature for operation		
Environment Ambient air temperature for operation Relative humidity	1095 % without condensation	
Environment Ambient air temperature for operation Relative humidity IP degree of protection	1095 % without condensation IP20	
Environment Ambient air temperature for operation Relative humidity IP degree of protection Protective treatment	1095 % without condensation IP20 TC CSA C22.2 No 142 EN 61131-2 IEC 61131-2 UL 508	
Environment Ambient air temperature for operation Relative humidity IP degree of protection Protective treatment Standards	1095 % without condensation IP20 TC CSA C22.2 No 142 EN 61131-2 IEC 61131-2 UL 508	
Environment Ambient air temperature for operation Relative humidity IP degree of protection Protective treatment Standards Offer Sustainability	1095 % without condensation IP20 TC CSA C22.2 No 142 EN 61131-2 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2	
Environment Ambient air temperature for operation Relative humidity IP degree of protection Protective treatment Standards Offer Sustainability Sustainable offer status	1095 % without condensation IP20 TC CSA C22.2 No 142 EN 61131-2 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Not Green Premium product	

18 months

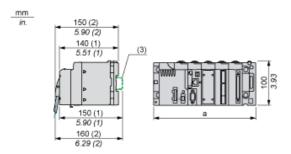
Warranty period

Product data sheet **Dimensions Drawings**

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Modules Mounted on Racks

Dimensions



- With removable terminal block (cage, screw or spring). With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81