

BMXP342000

procesorski modul M340 – maks. 1024 odvojenih +
256 analognih U/I – Modbus



Glavno

| | |
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| Range of product | Modicon M340 automation platform |
| Product or component type | Processor module |
| Number of racks | 1 |
| Number of slots | 11 |
| Discrete I/O processor capacity | 1024 I/O single-rack configuration |
| Analogue I/O processor capacity | 256 I/O multi-rack configuration 66 I/O single-rack configuration |
| Number of application specific channel | 36 |
| Monitoring | Diagnostic counters Modbus Event counters Modbus |

Komplementarno

| | |
|---|---|
| Control channels | Programmable loops |
| Integrated connection type | USB port 12 Mbit/s Non isolated serial link RJ45 character mode asynchronous in baseband RS232C full duplex 0.3...19.2 kbit/s 2 twisted shielded pairs Non isolated serial link RJ45 character mode asynchronous in baseband RS485 half duplex 0.3...19.2 kbit/s 1 twisted shielded pair Non isolated serial link RJ45 Modbus master/slave RTU/ASCII asynchronous in baseband RS232C half duplex 0.3...19.2 kbit/s 1 twisted shielded pair Non isolated serial link RJ45 Modbus master/slave RTU/ASCII asynchronous in baseband RS485 half duplex 0.3...19.2 kbit/s 1 twisted shielded pair |
| Communication module processor capacity | 2 Ethernet communication module 4 AS-Interface module |
| Number of devices per segment | 32 character mode 32 Modbus |
| Number of devices | 2 point-to-point character mode 2 point-to-point Modbus |
| Bus length | 0...10 m serial link non isolated character mode segment 0...10 m serial link non isolated Modbus segment 0...1000 m serial link isolated character mode segment 0...1000 m serial link isolated Modbus segment 0...15 m character mode point-to-point 0...15 m Modbus point-to-point |
| Tap links length | <= 15 m serial link non isolated character mode segment <= 15 m serial link non isolated Modbus segment <= 40 m serial link isolated character mode segment <= 40 m serial link isolated Modbus segment |
| Number of addresses | 248 character mode 248 Modbus |
| Requests | 1 K data bytes per request character mode 252 data bytes per RTU request Modbus 504 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 | Supplied memory card (BMXRMS008MP) for backup of programs, constants, symbols and data 2048 kB internal RAM 128 kB internal RAM for data 1792 kB internal RAM for program constants and symbols |
| Maximum size of object areas | 128 kB unlocated internal data 16250 %Mi located internal bits 32464 %MWi internal words located internal data |

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda.
 Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene.
 Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i poplunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog.
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|--------------------------------|---|
| | 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 |

Okolina

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|---------------------------------------|---|
| ambient air temperature for operation | 0...60 °C |
| relative humidity | 10...95 % without condensation |
| IP degree of protection | IP20 |
| protective treatment | TC |
| directives | 2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive |
| standards | EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 61010-2-201 |

Offer Sustainability

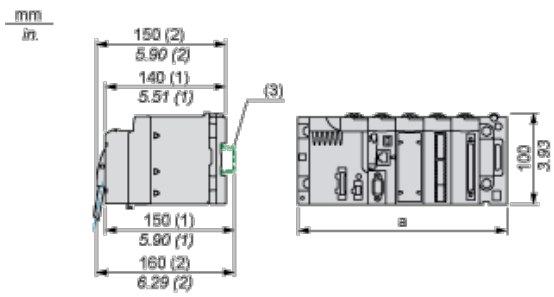
| | |
|---|---|
| Green Premium product | Green Premium product |
| Compliant - since 0827 - Schneider Electric declaration of conformity | Compliant - since 0827 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Available | Available |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
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Modules Mounted on Racks

Dimensions



- (1) With removable terminal block (cage, screw or spring).
- (2) 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 |