



Main

Range of product	Modicon M340 automation platform
Product or component type	Master module
AS-Interface profile	S6.0 (slave profile) S7.A.9 (slave profile) S7.A.8 (slave profile) S7.A.A (slave profile) S7.A.7 (slave profile) S7.3 (slave profile) M4 (master profile)
Addressing	Standard and extended

Complementary

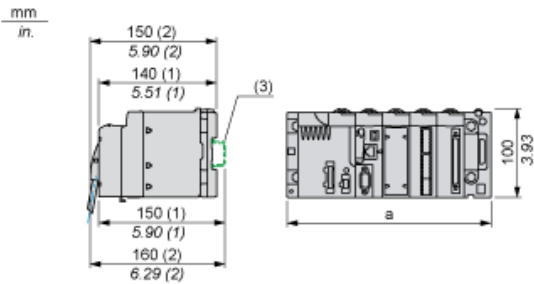
Cycle time	10 ms for 62 5 ms for 31
Electrical connection	1 male connector SUB-D 3 pins
Number of slave	124 slave(s) for analog inputs and outputs - extended 496 slave(s) for discrete inputs and outputs - extended 124 slave(s) for analog inputs and outputs - standard 124 slave(s) for discrete inputs and outputs - standard
Cable length	<= 500 m with 2 repeaters and the master at the middle <= 300 m with 2 repeaters <= 200 m with line extension <= 100 m
Local signalling	1 LED for fault 1 LED for ASI power 1 LED red for line fault 1 LED green for external power supply present 32 LEDs for diagnostics of the AS-Interface and each slave 1 LED red for I/O module fault (I/O) 1 LED green for displays the group of 31 slaves (A/B) 1 LED red for module error (ERR) 1 LED green for module active (RUN)
Current consumption	160 mA at 3.3 V DC
Module format	Standard
Product weight	0.34 kg

Environment

Product certifications	AS-Interface No 86601
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...70 °C
IP degree of protection	IP20

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.

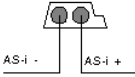
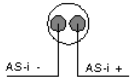
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connection to AS-Interface Bus

AS-Interface Bus Cables

AS-Interface bus cables carry the signals and supply the sensors and actuators connected to the bus with 30 V_{DC}.

Types of AS-Interface cables:

Cable Type	Specifications	Illustration
Flat, polarized AS-Interface ribbon cable	Color: yellow. Wire cross-section: 1.5 mm ² (AWG 15)	
Standard round cable	Wire cross-section: 1.5 mm ² (AWG 15) or 2.5 mm ² (AWG 13)	

Wire colors:

- AS-i - is Blue
- AS-i + is Brown

Recommended cable: Product reference H05VVF 2x1.5mm² (AWG 15) flat cable conforms to the DIN VDE 0281 standard.

Connector

A connector-cover set is used to connect the module to the AS-Interface bus. This connector must be linked to the cable of the AS-Interface bus and assembled according to the procedure described in the user guide.