Product data sheet
Characteristics

BMXEIA0100
Master module - upto 62 devices on discrete I/O - upto 31 devices on analog I/O

Product availability : Stock - Normally stocked in distribution facility

Price* : 900.00 USD

Main

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

Complementary

Cycle time	5 ms for 31 10 ms for 62
Electrical connection	1 male connector SUB-D 3 pins
Number of slave	124 slave(s) discrete inputs and outputs - standard 124 slave(s) analog inputs and outputs - standard 496 slave(s) discrete inputs and outputs - extended 124 slave(s) analog inputs and outputs - extended
Cable length	<= 328.08 ft (100 m) <= 656.17 ft (200 m) with line extension <= 984.25 ft (300 m) with 2 repeaters <= 1640.42 ft (500 m) with 2 repeaters and the master at the middle
Local signalling	1 LED fault 1 LED green module active (RUN) 1 LED red module error (ERR) 1 LED green displays the group of 31 slaves (A/B) 1 LED red I/O module fault (I/O) 32 LEDs diagnostics of the AS-Interface and each slave 1 LED green external power supply present 1 LED red line fault 1 LED ASI power

Current consumption	160 mA at 3.3 V DC
Module format	Standard
Product weight	0.75 lb(US) (0.34 kg)

Environment

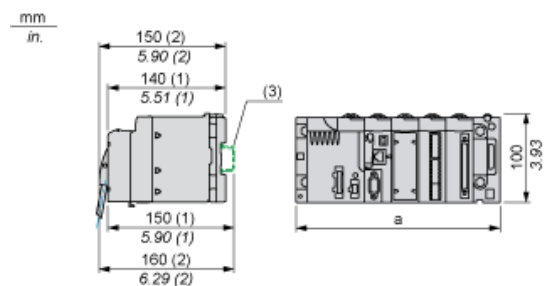| Product certifications	AS-Interface No 86601
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
IP degree of protection	IP20

Ordering and shipping details

Category	18160 - MODICON M340
Discount Schedule	PC34
GTIN	00785901687351
Nbr. of units in pkg.	1
Package weight(Lbs)	0.45000000000000001
Returnability	N
Country of origin	FR

Contractual warranty

Warranty period	18 months

BMXEIA0100

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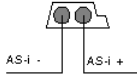
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

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 2x1.5mm^2 (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.