



Main

Range of Product	Modicon X80
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.X slave profile
Addressing	Standard and extended

Complementary

Cycle time	5 Ms 31 10 ms 62
Electrical connection	1 male connector SUB-D, 3 pins
Number of slave	124 discrete inputs and outputs - standard 124 analog inputs and outputs - standard 496 discrete inputs and outputs - extended 124 analog inputs and outputs - extended
Maximum cable distance between devices	328.08 Ft (100 m) 656.17 Ft (200 m) line extension 984.25 Ft (300 m) 2 repeaters 1640.42 ft (500 m) 2 repeaters and the master at the middle
Local signalling	For module active (RUN) 1 LED (green) For module error (ERR) 1 LED (red) For displays the group of 31 slaves (A/B) 1 LED (green) For I/O module fault (I/O) 1 LED (red) For diagnostics of the AS-Interface and each slave 32 LEDs For ASI power 1 LED (green) For fault 1 LED (red)
Current consumption	160 mA 3.3 V DC
Module format	Standard
Net Weight	0.75 lb(US) (0.34 kg)

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Environment

Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22
Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5 EN/IEC 61850-3 EN/IEC 60079-0
Environmental characteristic	Hazardous location
Environmental characteristic	Hazardous location class I division 2
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	3595864038032
Nbr. of units in pkg.	1
Package weight(Lbs)	7.41 oz (210.0 g)
Returnability	No
Country of origin	FR

Packing Units

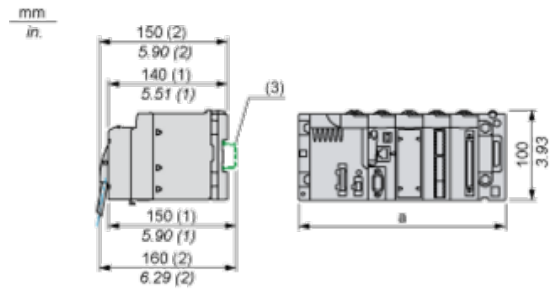
Unit Type of Package 1	PCE
Package 1 Height	2.91 in (7.4 cm)
Package 1 width	4.33 in (11 cm)
Package 1 Length	5.00 in (12.7 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	7.05 lb(US) (3.2 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Contractual warranty

Warranty	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

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.