

Product availability: Stock - Normally stocked in distribution facility



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	32 conforming to EN/IEC 61131-2
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.1 A
Output compatibility	Not IEC 61131-2 DC input IEC 61131-2 type 3 DC input

Complementary

Current per channel	0.125 A
Current per module	≤ 3.2 A
Leakage current	≤ 0.1 mA at state 0
[Ures] residual voltage	1.5 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 3.6 W
Response time on output	1.2 ms
Paralleling of outputs	Yes : 3 maximum
Typical current consumption	125 mA at 3.3 V DC
MTBF reliability	312254 H
Protection type	External short-circuit protection Overload protection Overvoltage protection Reverse polarity protection
Output overload protection	With current limiter With electronic circuit breaker $0.125 \text{ A} < I_d < 0.185 \text{ A}$
Output overvoltage protection	With transil diode
Output short-circuit protection	With 2 A external fuse
Reverse polarity protection	Reverse mounted diode
Voltage detection threshold	< 14 V DC preactuator fault > 18 V DC preactuator at state 0
Tungsten load	≤ 1.2 W
Switching frequency	$0.5/LI^2$ Hz
Overload time	≤ 15 ms
Load impedance ohmic	≥ 220 Ohm
Status LED	1 LED green module operating (RUN) 1 LED per channel green channel diagnostic 1 LED red module I/O 1 LED red module error (ERR)
Product weight	0.24 lb(US) (0.11 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility
Product certifications	UL RCM Merchant Navy CSA EAC CE
Standards	EN 61010-2-201 EN 61000-6-2 EN 61131-2 EN 61000-6-4
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, output/ground 1500 V AC at 50/60 Hz 1 minute, output/internal logic 500 V DC 1 minute, between group of channels
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	32...140 °F (0...60 °C)
Relative humidity	5...95 % without condensation 131 °F (55 °C)
Protective treatment	TC
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m (with derating factor)

Ordering and shipping details

Category	18160 - MODICON M340
Discount Schedule	PC34
GTIN	00785901501640
Nbr. of units in pkg.	1
Package weight(Lbs)	0.33000000000000002
Returnability	Y
Country of origin	ID

Offer Sustainability

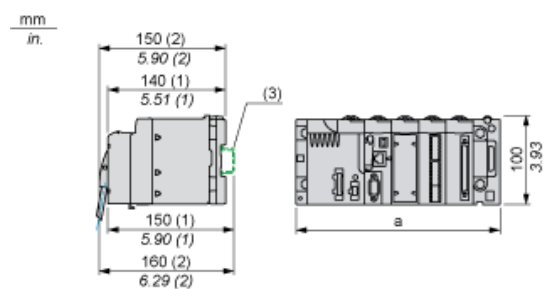
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Modules Mounted on Racks

Dimensions

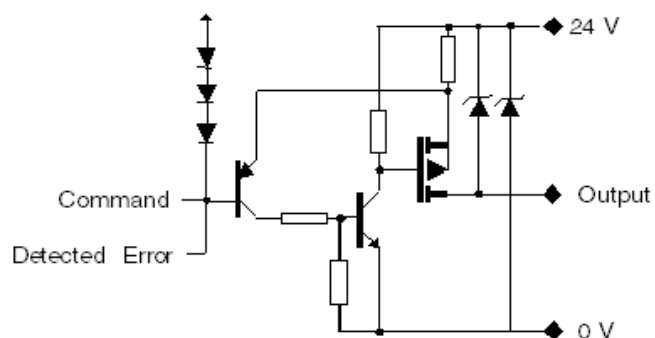


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

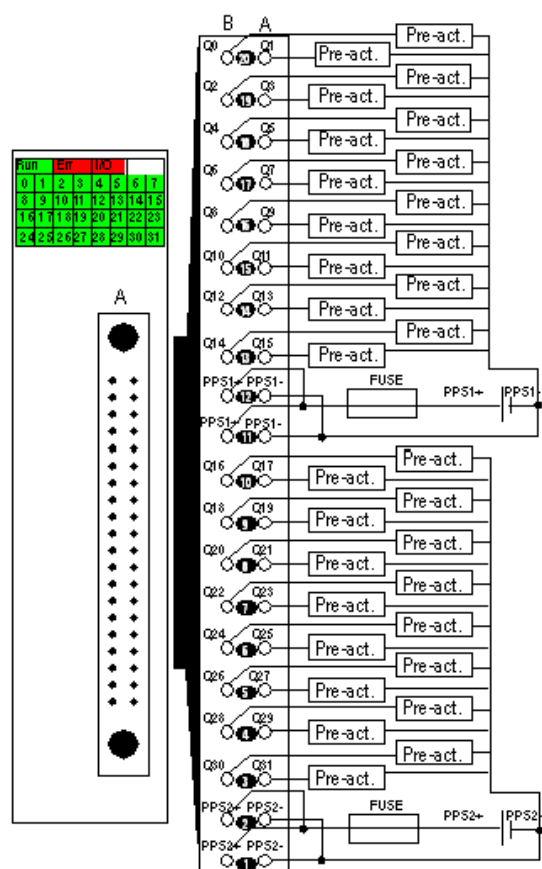
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Output Circuit Diagram



Module Connection



power 24 VDC

supply

fuse fast blow fuse of 2 A for each 16-channel group

pre- pre-actuator

act

PPS pre-actuator power supply