



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Standards	64 conforming to EN/IEC 61131-2
Discrete output type	Solid state
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.1 A

Complementary

Maximum current per module	6.4 A
Insulation resistance	> 10 MOhm 500 V DC
Response time on output	1.2 ms
Paralleling of outputs	Yes : 3 maximum
[Us] rated supply voltage	160 mA at 3.3 V DC
Protection type	reverse polarity protection External short-circuit protection overload protection overvoltage 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
Maximum tungsten load	1.2 W
Switching frequency	0.5/LI ² Hz
Maximum overload time	15 ms

Load impedance ohmic	>= 220 Ohm
Status LED	1 LED (green)+32 channels indicator: 1 LED (green)module operating (RUN): 1 LED per channel (green)channel diagnostic: 1 LED (red)module error (ERR): 1 LED (red)module I/O:

Environment

IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2012/19/EU - WEEE directive
Network type	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
Condition of use	5...95 % at 55 °C without condensation
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m with derating factor

Packing Units

Package 1 Weight	0.194 kg
Package 1 Height	5.600 cm
Package 1 width	11.200 cm
Package 1 Length	11.600 cm

Offer Sustainability

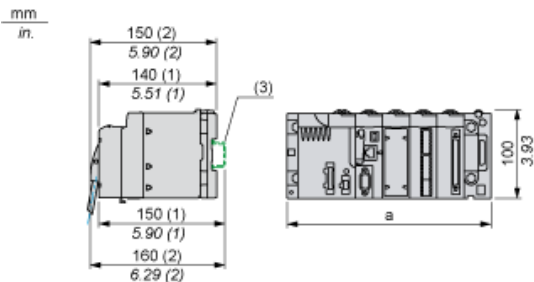
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Modules Mounted on Racks

Dimensions

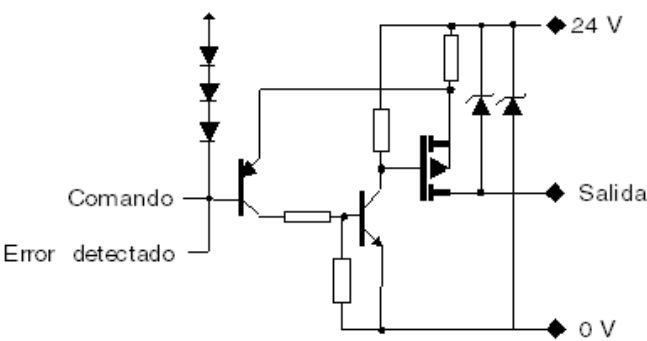


- (1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

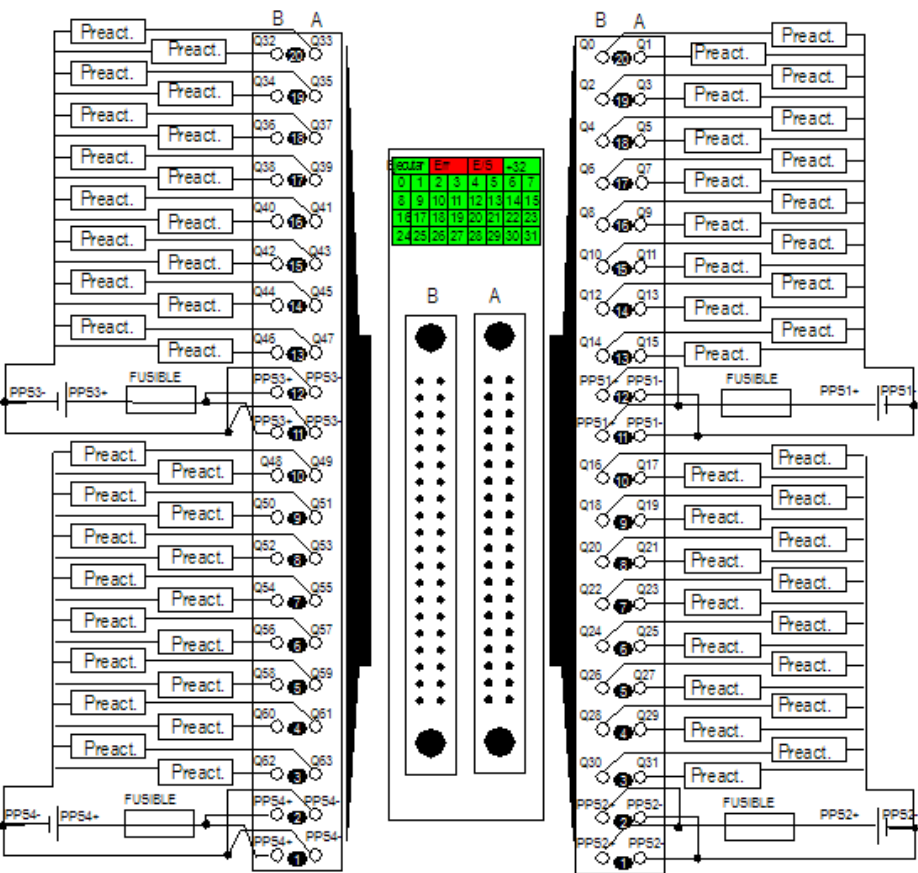
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Output Circuit Diagram



Module Connection



power supply 24VDC
fuse fast blow fuse of 2 A for each 16-channel group
pre-act pre-actuator
PPS pre-actuator power supply