



## Main

Range of product	Modicon X80
Product or component type	Discrete output module
Product specific application	For severe environments
Discrete output number	16
Discrete output type	Triac
Discrete output voltage	100...240 V 85...288 V AC

## Complementary

Current per channel	0.24 A at 70 °C 0.6 A at 60 °C
Current per output common	<= 0.96 A at 70 °C <= 2.4 A at 60 °C
Current per module	<= 1.92 A at <= 70 °C <= 4.8 A at <= 60 °C
Leakage current	<= 1.5 mA at state 0 120 V <= 3 mA at state 0 240 V
[Ures] residual voltage	1.5 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Response time on output	<= 1 ms resistive activation <= 1 ms resistive deactivation
Typical current consumption	100 mA at 3.3 V DC
Protection type	1 external fuse fast blow
Output overload protection	With varistor
Inrush current	20 A
Current per output common	<= 2.4 A
Output current limits	0.025...4.8 A
Status LED	1 LED red for module error (ERR) 1 LED green for module operating (RUN) 1 LED per channel green for channel diagnostic 1 LED red for module I/O

## Environment

directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
IP degree of protection	IP20
product certifications	ATEX CE CSA UL RCM IEC-Ex Merchant Navy EAC
standards	EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 61010-2-201
dielectric strength	2830 V AC at 50/60 Hz 1 min

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vibration resistance	3 gn
shock resistance	30 gn
ambient air temperature for storage	-40...85 °C
ambient air temperature for operation	-25...70 °C
relative humidity	5...95 % without condensation 55 °C
protective treatment	Conformal coating Humiseal 1A33 TC
environmental characteristic	Corrosion resistance Dust resistant
operating altitude	0...2000 m 2000...5000 m (with derating factor)

## Offer Sustainability

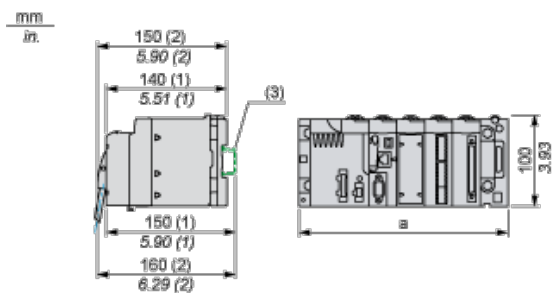
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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## Modules Mounted on Racks

### Dimensions

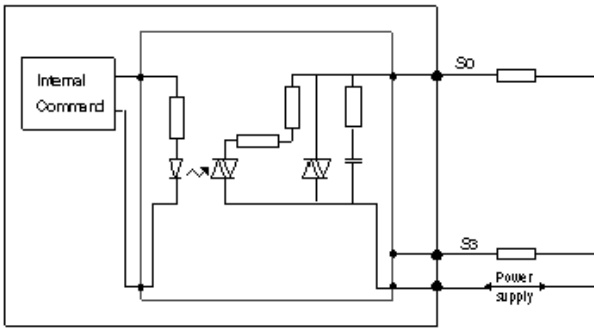


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

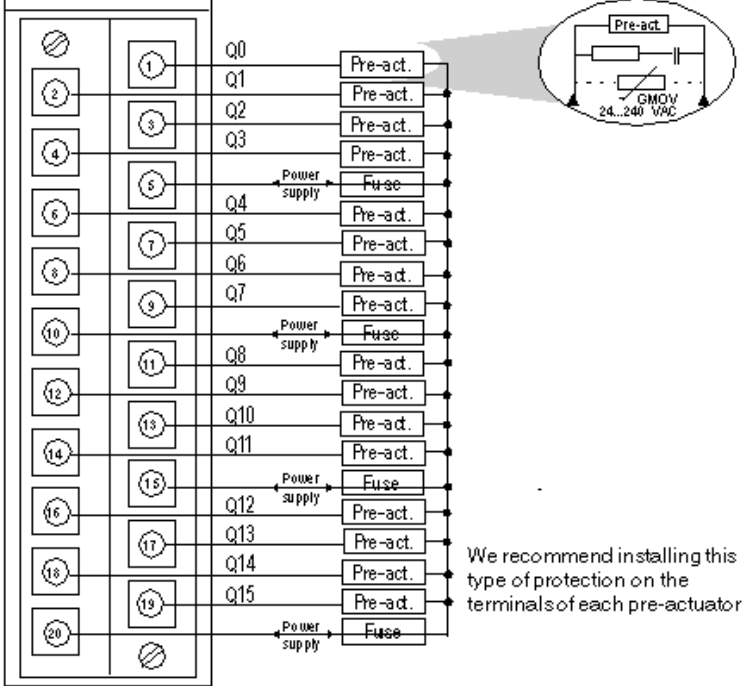
## Connecting the Module

### Output Circuit Diagram



**Module Connection**

Run	Er	MO
0	1	2
3	4	5
6	7	
8	9	10
11	12	13
14	15	



We recommend installing this type of protection on the terminals of each pre-actuator

power 100...240 VAC  
supply

fuse 1 fast blow fuse of 3 A for each 4-channel group