



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 AC
Discrete output current	0.6 A

Complementary

Current per channel	0.24 A at 70 °C 0.6 A at 60 °C
Maximum current per output common	0.96 A at 70 °C 2.4 A at 60 °C
Maximum current per module	1.92 A 70 °C 4.8 A 60 °C
Maximum leakage current	1.5 mA at state 0 120 V AC 60 Hz 3 mA at state 0 240 V AC 60 Hz
Maximum voltage drop	<1.5 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Response time on output	<= 1.011 ms resistive activation <= 1.011 ms resistive deactivation
Typical current consumption	79 mA at 3.3 V DC
Protection type	1 external fuse fast blow
Inrush current	20 A
Maximum current per output common	2.4 A
Output current limits	0.025...4.8 A
Status LED	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
Environmental characteristic	Gas resistant class Gx Gas resistant class 3C4 Dust resistant class 3S4 Sand resistant class 3S4 Salt resistant level 2 Mold growth resistant class 3B2 Fungal spore resistant class 3B2
Dielectric strength	2830 V AC at 50/60 Hz 1 min
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 % at 55 °C without condensation
Protective treatment	Conformal coating
Operating altitude	0...2000 m 2000...5000 m with derating factor

Packing Units

Package 1 Weight	0.218 kg
Package 1 Height	55.000 mm
Package 1 width	110.000 mm
Package 1 Length	115.000 mm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
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

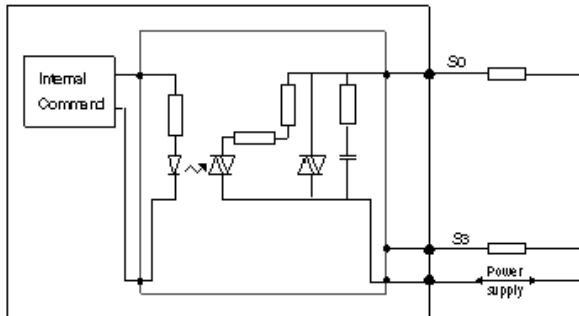


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

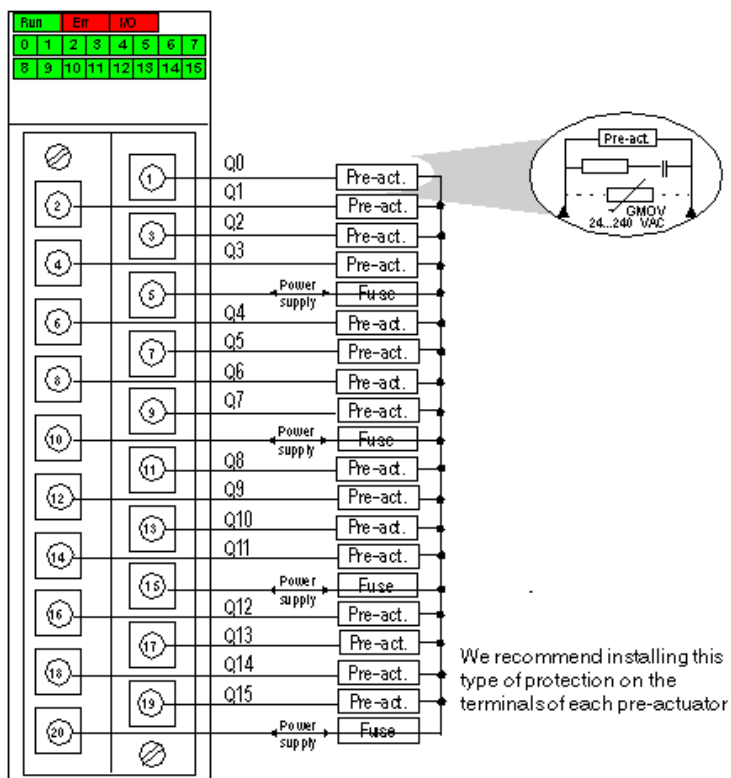
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Output Circuit Diagram



Module Connection



power100...240 VAC

supply

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