

BMXDAO1605

discrete output module, Modicon X80, 16 triac outputs, 100 to 240V AC



Main

| | |
|---------------------------|------------------------|
| Range of Product | Modicon X80 |
| Product or Component Type | Discrete output module |
| Discrete output number | 16 |
| Discrete output type | Triac |
| Discrete output voltage | 100...240 V AC |
| Discrete output current | 0.6 A |

Complementary

| | |
|-----------------------------------|--|
| 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 3.3 V DC |
| MTBF reliability | 1800000 H |
| 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 |
| Dielectric strength | 2830 V AC 50/60 Hz 1 min |
| 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 % 131 °F (55 °C) without condensation |
| 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 | 3595863966954 |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.17 in (5.500 cm) |
| Package 1 Width | 4.61 in (11.700 cm) |
| Package 1 Length | 4.61 in (11.700 cm) |
| Package 1 Weight | 7.16 oz (203.000 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 15 |
| Package 2 Height | 5.91 in (15.000 cm) |
| Package 2 Width | 11.81 in (30.000 cm) |
| Package 2 Length | 15.75 in (40.000 cm) |
| Package 2 Weight | 7.49 lb(US) (3.398 kg) |

Offer Sustainability

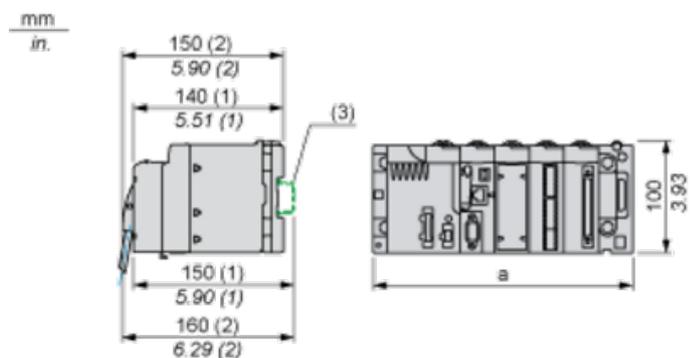
| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| 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 |
|----------|-----------|

Modules Mounted on Racks

Dimensions



(1) With removable terminal block (cage, screw or spring).

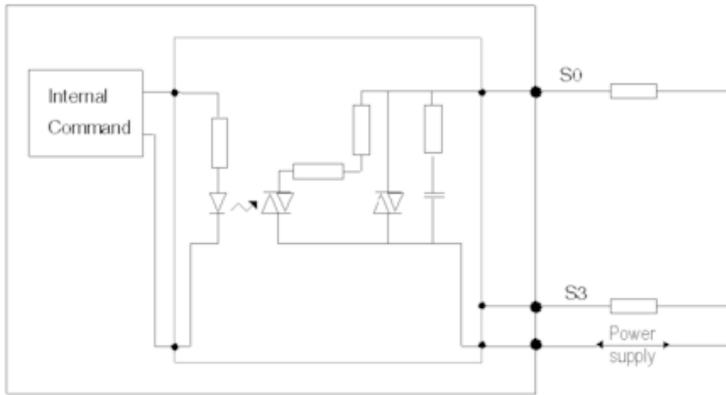
(2) With FCN connector.

(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

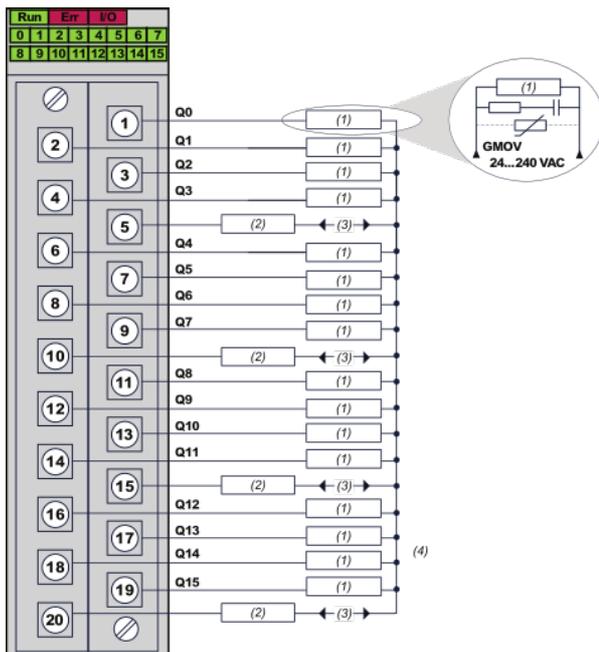
| Rack references | a in mm | a in in. |
|----------------------------|---------|----------|
| BMXXBP0400 and BMXXBP0400H | 242.4 | 09.54 |
| BMXXBP0600 and BMXXBP0600H | 307.6 | 12.11 |
| BMXXBP0800 and BMXXBP0800H | 372.8 | 14.68 |
| BMXXBP1200 and BMXXBP1200H | 503.2 | 19.81 |

Connecting the Module

Output Circuit Diagram



Module Connection



- (1) Pre-actuator
- (2) Fuse : 1 fast blow fuse of 3 A for each 4-channel group
- (3) Power supply : 100...240 VAC
- (4) We recommend installing this type of protection on the terminals of each pre-actuator