



## Main

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Range of product          | Modicon M340 automation platform                        |
| Product or component type | Discrete output module                                  |
| Electrical connection     | 20-way connector                                        |
| Discrete output number    | 16 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   | 0.5 A                                                   |
| Output compatibility      | IEC 61131-2 type 3 DC input<br>Not IEC 61131-2 DC input |

## Complementary

|                                 |                                                                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current per channel             | $\leq 0.625$ A                                                                                                                                           |
| Current per module              | $\leq 10$ A                                                                                                                                              |
| Leakage current                 | $\leq 0.5$ mA at state 0                                                                                                                                 |
| [Ures] residual voltage         | $\leq 1.2$ V at state 1                                                                                                                                  |
| Insulation resistance           | $> 10$ MOhm 500 V DC                                                                                                                                     |
| Power dissipation in W          | $\leq 4$ W                                                                                                                                               |
| Response time on output         | 1.2 ms                                                                                                                                                   |
| Paralleling of outputs          | Yes : 2 maximum                                                                                                                                          |
| Typical current consumption     | 100 mA at 3.3 V DC                                                                                                                                       |
| MTBF reliability                | 409413 H                                                                                                                                                 |
| Protection type                 | Reverse polarity protection<br>Overvoltage protection<br>Overload protection<br>External short-circuit protection                                        |
| Output overload protection      | With electronic circuit breaker $1.5 I_n < I_d < 2 I_n$<br>With current limiter                                                                          |
| Output overvoltage protection   | With transil diode                                                                                                                                       |
| Output short-circuit protection | With 2 A external fuse                                                                                                                                   |
| Reverse polarity protection     | Reverse mounted diode                                                                                                                                    |
| Voltage detection threshold     | $> 18$ V DC preactuator at state 0<br>$< 14$ V DC preactuator fault                                                                                      |
| Tungsten load                   | $\leq 6$ W                                                                                                                                               |
| Switching frequency             | 0.5/LI <sup>2</sup> Hz                                                                                                                                   |
| Load impedance ohmic            | $\leq 48$ Ohm                                                                                                                                            |
| Status LED                      | 1 LED red for module I/O<br>1 LED red for module error (ERR)<br>1 LED per channel green for channel diagnostic<br>1 LED green for module operating (RUN) |
| Product weight                  | 0.12 kg                                                                                                                                                  |

## Environment

|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP20                                                                                                   |
| Standards                             | CSA C22.2 No 142<br>IEC 1131-2<br>IEC 664<br>NF C 63-850<br>UL 508<br>UL 746C                          |
| Dielectric strength                   | 1500 V AC at 50/60 Hz 1 minute, output/internal logic<br>1500 V AC at 50/60 Hz 1 minute, output/ground |
| Ambient air temperature for operation | 0...60 °C                                                                                              |
| Relative humidity                     | 10...95 % without condensation                                                                         |
| Protective treatment                  | TC                                                                                                     |

## Offer Sustainability

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status      | Not Green Premium product                                                             |
| RoHS (date code: YYWW)        | Compliant - since 0722 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                         | Reference not containing SVHC above the threshold                                     |
| Product environmental profile | Available <a href="#">Download Product Environmental</a>                              |

## Modules Mounted on Racks

### Dimensions

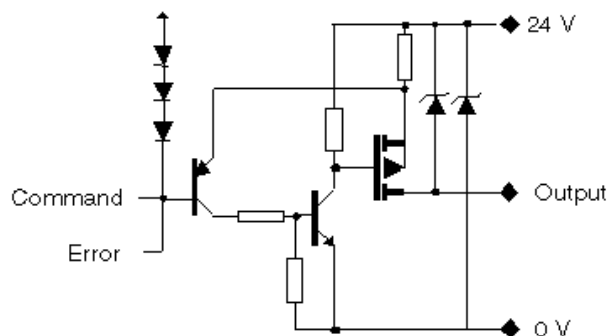


- (1) With removable terminal block (cage, screw or spring).  
 (2) With FCN connector.  
 (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

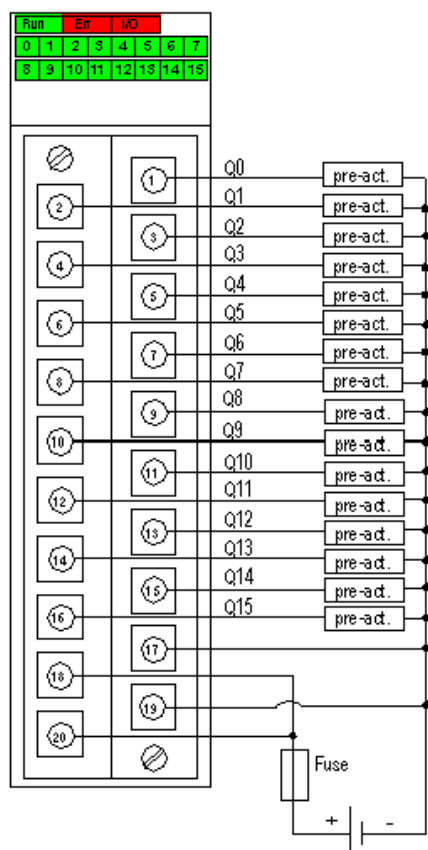
| Rack references            | a in mm | a in in. |
|----------------------------|---------|----------|
| BMXXBP0400 and BMXXBP0400H | 242.4   | 09.54    |
| BMXXBP0600 and BMXXBP0600H | 307.6   | 12.11    |
| BMXXBP0800 and BMXXBP0800H | 372.8   | 14.68    |
| BMXXBP1200 and BMXXBP1200H | 503.2   |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

## Connecting the Module

### Output Circuit Diagram



### Module Connection



power 24 VDC  
supply  
fuse fast blow fuse of 6.3 A  
pre- pre-actuator  
act