BMXCP020

power supply module X80 - 24..48 V DC - 31.2 W

Product availability: Stock - Normally stocked in distribution facility

Price*: $818.00 USD

Main

Range of product Modicon X80
Product or component type Power supply module
Backplane compatibility Not compatible with BMEXBP..02
Primary voltage 24...48 V isolated
Supply circuit type DC
Secondary power 15 W 3.3 V DC I/O module logic power supply
31.2 W 24 V DC I/O module power supply and processor

Complementary

Primary voltage limit 18..62.4 V
Input current
0.83 A 48 V
1.65 A 24 V
Inrush current
30 A 24 V
60 A 48 V
P²t on activation
1 A².s 24 V
3 A².s 48 V
It on activation
0.2 A.s 24 V
0.3 A.s 48 V
Protection type Internal fuse not accessible primary circuit
Overload protection secondary circuit, 24 V sensor power supply
Overvoltage protection secondary circuit, 24 V sensor power supply
Short-circuit protection secondary circuit, 24 V sensor power supply
Current at secondary voltage
1.3 A 24 V DC I/O module power supply and processor
4.5 A 3.3 V DC I/O module logic power supply
Power dissipation in W <= 8.5 W
Status LED 1 LED green rack voltage OK
Control type RESET push-button cold restart
Electrical connection 1 connector 2 pin(s) alarm relay
1 connector 5 pin(s) line supply, protective earth
Cable distance between devices <= 10 m power supply cable copper 1.5 mm²

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
### Insulation resistance

- <= 15 m power supply cable copper 2.5 mm²
- >= 10 mOhm primary/secondary
- >= 10 mOhm primary/ground

### Product weight

- 0.75 lb (US) (0.34 kg)

### Environment

- **Immunity to microbreaks**: 1 ms
- **Dielectric strength**: 1500 V primary/ground
  - 1500 V primary/secondary
- **Vibration resistance**: 3 gn
- **Shock resistance**: 30 gn
- **IP degree of protection**: IP20

### Directives

- 2012/19/EU - WEEE directive
- 2014/30/EU - electromagnetic compatibility
- 2014/35/EU - low voltage directive

### Product certifications

- CE
- CSA
- UL
- RCM
- Merchant Navy
- EAC

### Standards

- EN 61000-6-2
- EN 61000-6-4
- EN 61131-2
- EN 61010-2-201

### 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 % without condensation 55 °C

### Protective treatment

- TC

### 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**: 00785901477006
- **Nbr. of units in pkg.**: 1
- **Package weight(Lbs)**: 1
- **Returnability**: Y
- **Country of origin**: ID

### Offer Sustainability

- **Sustainable offer status**: Green Premium product
- **RoHS (date code: YYWW)**: Compliant - since 0722 - Schneider Electric declaration of conformity
- **REACH**
  - Reference not containing SVHC above the threshold

### Product environmental profile

- Available

### Product end of life instructions

- Available

### California proposition 65

- WARNING: This product can expose you to chemicals including:
  - Substance 1: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.

- More information
  - For more information go to www.p65warnings.ca.gov
### Contractual warranty

| Warranty period | 18 months |
Modules Mounted on Racks

Dimensions

<table>
<thead>
<tr>
<th>Rack references</th>
<th>a in mm</th>
<th>a in in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMXXBP0400 and BMXXBP0400H</td>
<td>242.4</td>
<td>09.54</td>
</tr>
<tr>
<td>BMXXBP0600 and BMXXBP0600H</td>
<td>307.6</td>
<td>12.11</td>
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<tr>
<td>BMXXBP0800 and BMXXBP0800H</td>
<td>372.8</td>
<td>14.68</td>
</tr>
<tr>
<td>BMXXBP1200 and BMXXBP1200H</td>
<td>503.2</td>
<td>19.81</td>
</tr>
</tbody>
</table>

(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.
Connection of Direct Current Power Supply Modules to a 24 Vdc or 48 Vdc Floating Direct Current Network

Red de corriente alterna de baja tensión

Cargador de la batería

Batería

Controlador de aislamiento

BMX CPS 3020

Red flotante de 24 VCC para la alimentación de sensores, actuadores y módulos de entrada/salida.
Connection of Direct Current Power Supply Modules to an Alternating Current Network

Connection of a Single Rack PLC Station

Q: General isolator
KM: Line contactor or circuit breaker
(1): Insulation connector bar for locating grounding errors
Connection of a Multi-Rack PLC Station

Q  General isolator
KM  Line contactor or circuit breaker
(1) Insulation connector bar for locating grounding errors