

# Product datasheet

Specifications



## power supply module X80 - 24 V DC - 16.8 W

BMXCPS2010

Price: 7,707.26 ZAR

### Main

|                           |                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------|
| Range Of Product          | Modicon X80                                                                                          |
| Product Or Component Type | Power supply module                                                                                  |
| Backplane Compatibility   | Not compatible with BMEXBP..02                                                                       |
| Primary Voltage           | 24 V isolated                                                                                        |
| Supply Circuit Type       | DC                                                                                                   |
| Secondary Power           | 16.8 W 24 V DC I/O module power supply and processor<br>8.3 W 3.3 V DC I/O module logic power supply |

### Complementary

|                                        |                                                                                                                                                                                                                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary Voltage Limit                  | 18...31.2 V                                                                                                                                                                                                                                                                   |
| Input Current                          | 1 A 24 V                                                                                                                                                                                                                                                                      |
| Inrush Current                         | 30 A 24 V                                                                                                                                                                                                                                                                     |
| I²T On Activation                      | 0.6 A².s 24 V                                                                                                                                                                                                                                                                 |
| It On Activation                       | 0.15 A.s 24 V                                                                                                                                                                                                                                                                 |
| Mtbf Reliability                       | 4886000 H                                                                                                                                                                                                                                                                     |
| Protection Type                        | Internal fuse not accessible for primary circuit<br>Overload protection for secondary circuit, 24 V sensor power supply<br>Overvoltage protection for secondary circuit, 24 V sensor power supply<br>Short-circuit protection for secondary circuit, 24 V sensor power supply |
| Current At Secondary Voltage           | 0.7 A 24 V DC I/O module power supply and processor<br>2.5 A 3.3 V DC I/O module logic power supply                                                                                                                                                                           |
| Maximum 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<br>1 connector 5 pin(s)line supply, protective earth, 24 V DC input sensor                                                                                                                                                                    |
| Maximum Cable Distance Between Devices | 20 m power supply cable copper 1.5 mm²<br>30 m power supply cable copper 2.5 mm²                                                                                                                                                                                              |
| Insulation Resistance                  | >= 10 MOhm primary/ground<br>>= 10 MOhm primary/secondary                                                                                                                                                                                                                     |
| Net Weight                             | 0.29 kg                                                                                                                                                                                                                                                                       |

### Environment

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| Immunity To Microbreaks | 1 ms                                              |
| Dielectric Strength     | 1500 V primary/ground<br>1500 V primary/secondary |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Vibration Resistance                  | 3 gn                                                                             |
| Shock Resistance                      | 30 gn                                                                            |
| Ip Degree Of Protection               | IP20                                                                             |
| Directives                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility |
| Ambient Air Temperature For Storage   | -40...85 °C                                                                      |
| Ambient Air Temperature For Operation | 0...60 °C                                                                        |
| Relative Humidity                     | 5...95 % at 55 °C without condensation                                           |
| Protective Treatment                  | TC                                                                               |
| Operating Altitude                    | 0...2000 m<br>2000...5000 m with derating factor                                 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 13.238 cm |
| Package 1 Width              | 15.451 cm |
| Package 1 Length             | 15.597 cm |
| Package 1 Weight             | 420.0 g   |
| Unit Type Of Package 2       | S04       |
| Number Of Units In Package 2 | 12        |
| Package 2 Height             | 30 cm     |
| Package 2 Width              | 40 cm     |
| Package 2 Length             | 60 cm     |
| Package 2 Weight             | 6.31 kg   |
| Unit Type Of Package 3       | P06       |
| Number Of Units In Package 3 | 48        |
| Package 3 Height             | 75 cm     |
| Package 3 Width              | 60 cm     |
| Package 3 Length             | 80 cm     |
| Package 3 Weight             | 32 kg     |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓

Mercury Free

✓

Rohs Exemption Information

Yes

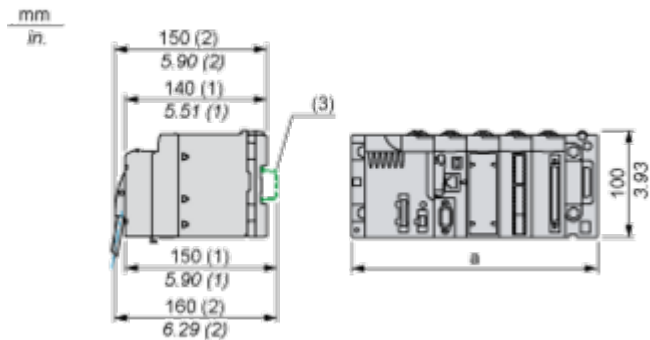
## Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Pro-active compliance (Product out of EU RoHS legal scope)                                                                  |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a>                                                                                      |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |

Dimensions Drawings

Modules Mounted on Racks

Dimensions



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

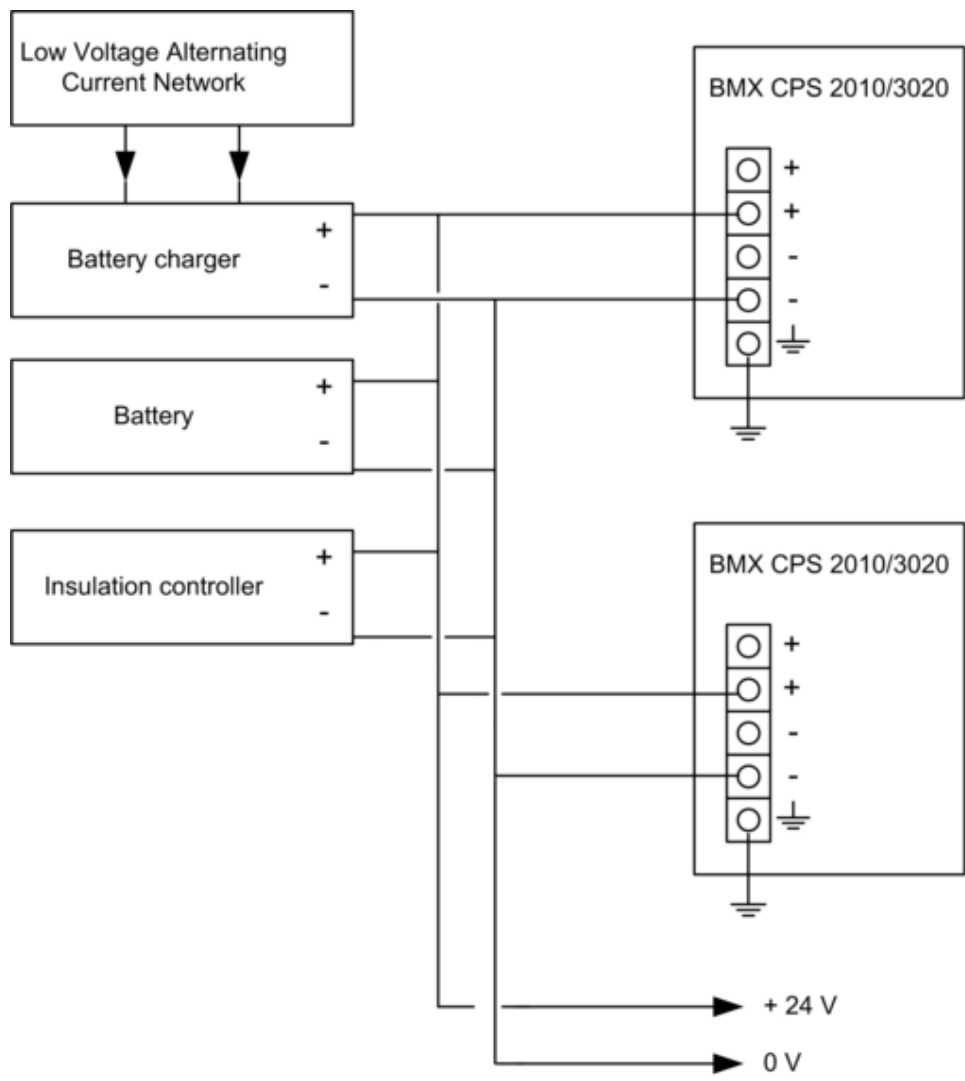
(2) With FCN connector.

(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    |

Connections and Schema

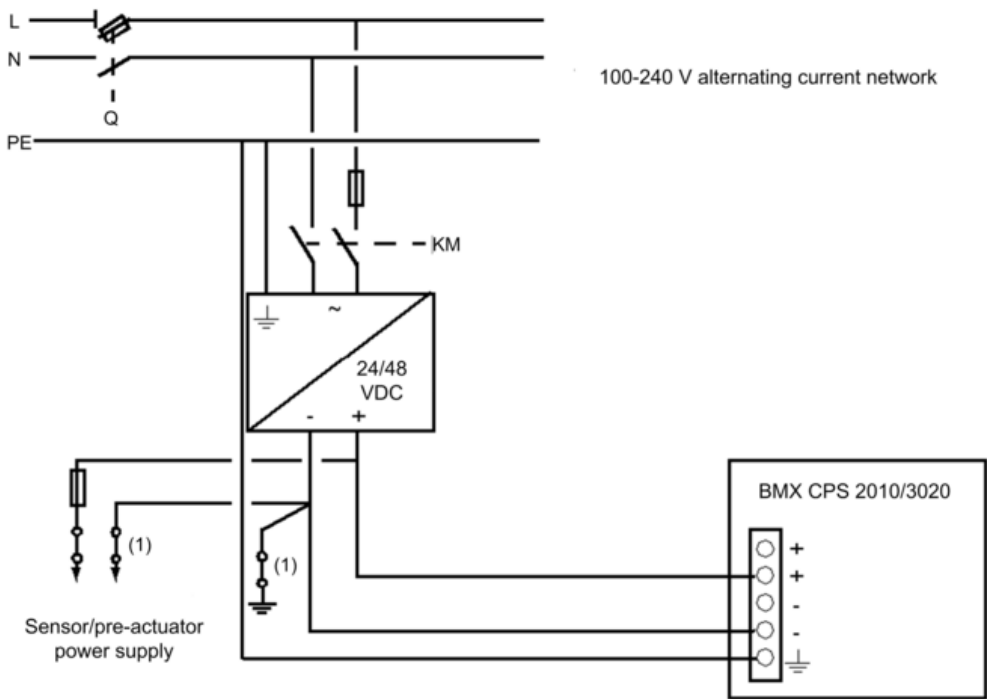
Connection of Direct Current Power Supply Modules to a 24 Vdc or 48 Vdc Floating Direct Current Network



24 VDC floating network for the power supply of sensors, actuators and input/out modules.

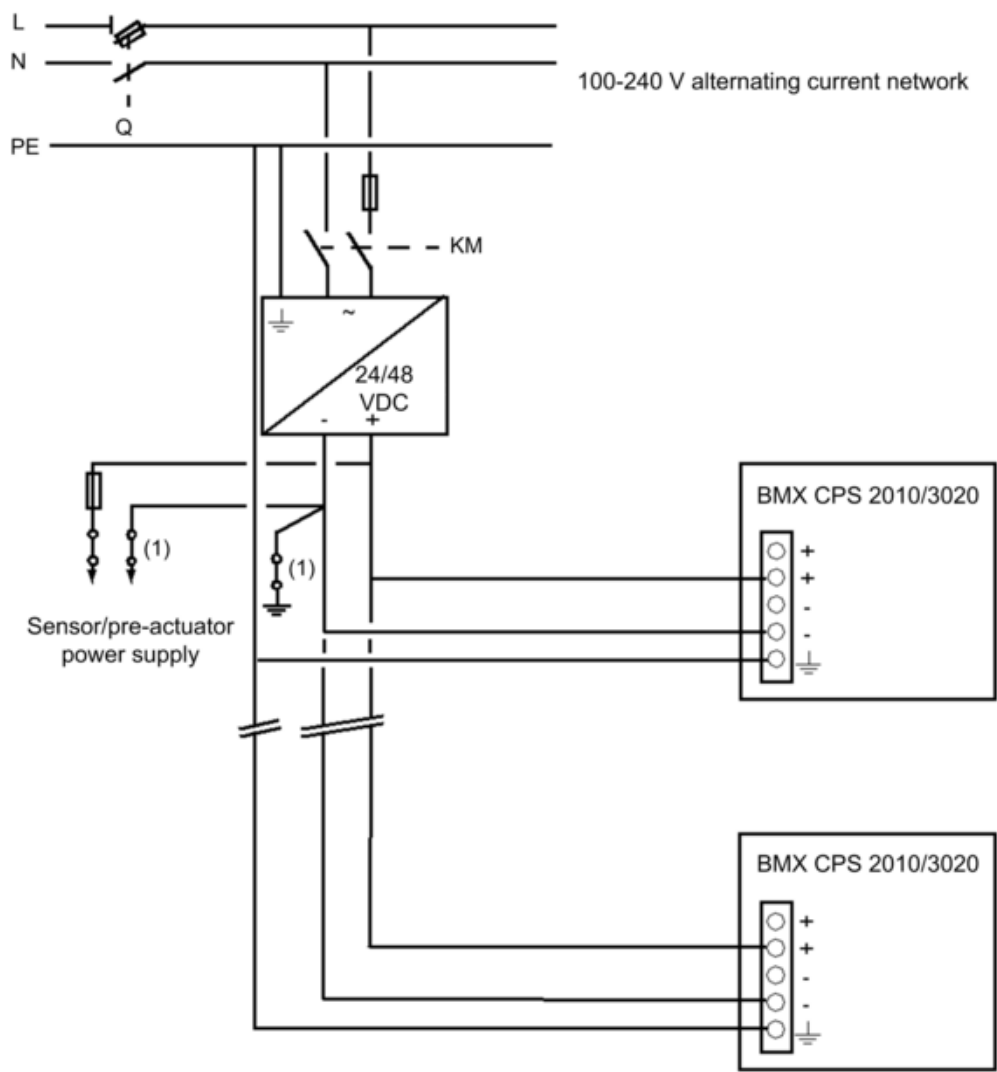
Connection of Direct Current Power Supply Modules to an Alternating Current Network

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