# Product data sheet

Specifications

## power supply module, Modicon X80, 100 to 240V AC, 36W

BMXCPS3500

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range of Product** | Modicon X80 |
| **Product or Component Type** | Power supply module |
| **backplane compatibility** | Not compatible with BMEXBP..02 |
| **Primary Voltage** | 100...240 V |
| **Supply circuit type** | AC |
| **Secondary power** | 15 W 3.3 V DC I/O module logic power supply<br>31.2 W 24 V DC I/O module power supply and processor<br>21.6 W 24 V DC sensor power supply |

## Complementary

| | |
|---|---|
| **Primary voltage limit** | 85...264 V |
| **Network Frequency** | 50/60 Hz |
| **Network frequency limits** | 47…63 Hz |
| **Apparent power** | 0.12 kVA |
| **Input current** | 0.52 A 240 V<br>1.04 A 115 V |
| **Inrush current** | 30 A 120 V<br>60 A 240 V |
| **I²t on activation** | 1 A².s 120 V<br>3 A².s 240 V |
| **It on activation** | 0.05 A.s 120 V<br>0.07 A.s 240 V |
| **MTBF reliability** | 4300000 H |
| **Protection type** | Internal fuse not accessible primary circuit<br>Overload protection secondary circuit<br>Overvoltage protection secondary circuit<br>Short-circuit protection secondary circuit |
| **Current at secondary voltage** | 0.9 A 24 V DC sensor power supply<br>1.3 A 24 V DC I/O module power supply and processor<br>4.5 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<br>1 LED (Green) sensor voltage |
| **Control Type** | RESET push-button cold restart |
| **Electrical connection** | 1 connector 2 alarm relay<br>1 connector 5 line supply, protective earth, 24 V DC input sensor |
| **Insulation resistance** | >= 100 MOhm primary/ground<br>>= 100 MOhm primary/secondary |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|---|---|
| **Net Weight** | 0.79 lb(US) (0.36 kg) |

## Environment

| | |
|---|---|
| **Immunity to microbreaks** | 1 ms |
| **Dielectric strength** | 1500 V primary/secondary I/O module logic power supply<br>1500 V primary/secondary I/O module power supply and processor<br>2300 V primary/secondary sensor power supply<br>1500 V primary/ground<br>500 V 24 V sensor output/ground |
| **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…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 |
| **Protective treatment** | TC |
| **Operating altitude** | 0...6561.68 ft (0...2000 m)<br>2000...5000 m with derating factor |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US1PC3418160 |
| **Discount Schedule** | PC34 |
| **GTIN** | 3595863908978 |
| **Returnability** | Yes |
| **Country of origin** | ID |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 5.118 in (13.000 cm) |
| **Package 1 Width** | 6.102 in (15.500 cm) |
| **Package 1 Length** | 6.102 in (15.500 cm) |
| **Package weight(Lbs)** | 18.695 oz (530.000 g) |
| **Unit Type of Package 2** | S04 |
| **Number of Units in Package 2** | 12 |
| **Package 2 Height** | 11.811 in (30.000 cm) |
| **Package 2 Width** | 15.748 in (40.000 cm) |
| **Package 2 Length** | 23.622 in (60.000 cm) |
| **Package 2 Weight** | 16.579 lb(US) (7.520 kg) |
| **Unit Type of Package 3** | P06 |
| **Number of Units in Package 3** | 48 |
| **Package 3 Height** | 29.528 in (75.000 cm) |

| | |
|---|---|
| **Package 3 Width** | 23.622 in (60.000 cm) |
| **Package 3 Length** | 31.496 in (80.000 cm) |
| **Package 3 Weight** | 90.390 lb(US) (41.000 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **457 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **6 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.1 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0.2 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **451 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.7 kg CO2 eq.** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| EU RoHS Directive | **Pro-active compliance (Product out of EU RoHS legal scope)** |
| SCIP Number | **41745a42-b2d7-4938-80f8-0738cea8ed1d** |
| REACh Regulation | **REACh Declaration** |
| 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** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

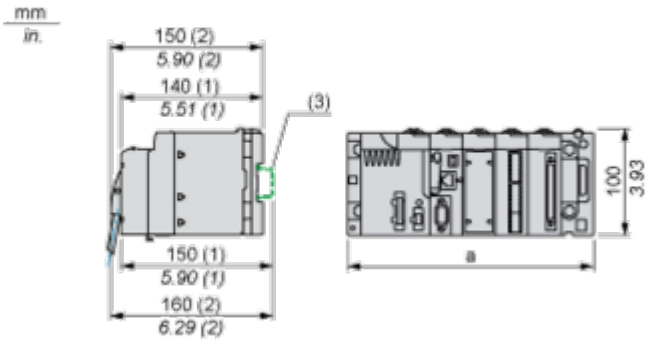
### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | **End of Life Information** |
| Take-back | **No** |

## Dimensions Drawings

### Modules Mounted on Racks

### Dimensions



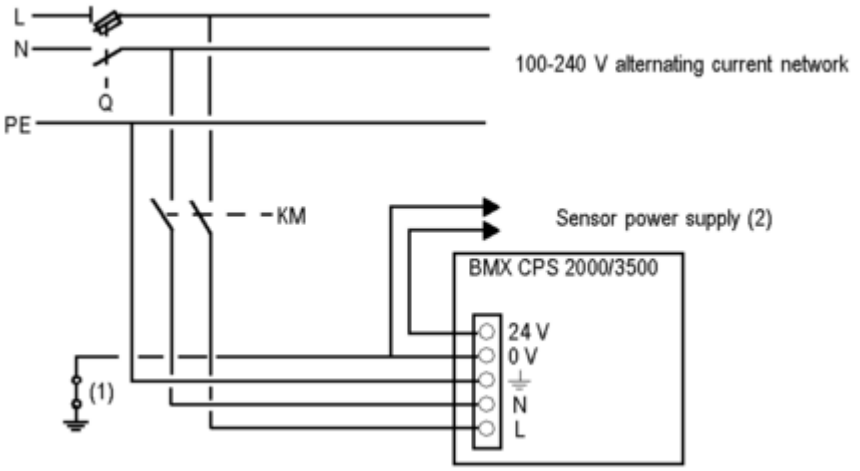

**(1)** With removable terminal block (cage, screw or spring).
**(2)** With FCN connector.
**(3)** On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| 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

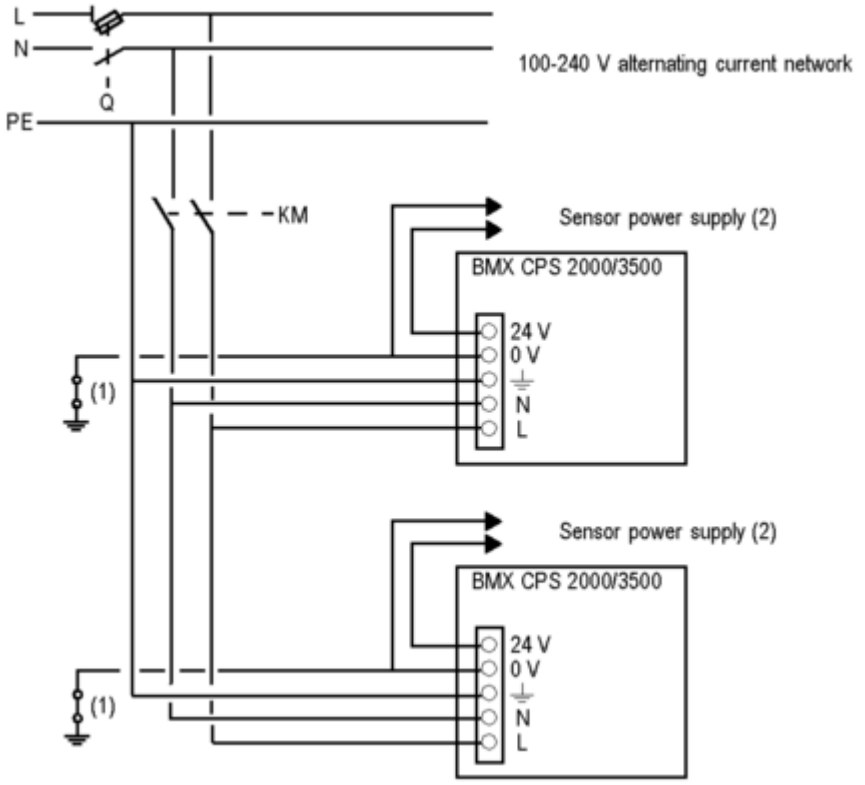
### Connection of Alternating Current Power Supply Modules

#### Connection of a PLC Station Constituted of a Single Rack




**Q** General isolator
**KM** Line contactor or circuit breaker
**(1)** Insulation connector bar for locating grounding errors
**(2)** Available current of 0.45 A for the BMXCPS2000 module or 0.9 A for the BMXCPS3500 module

#### Connection of a PLC Station Constituted of Several Racks

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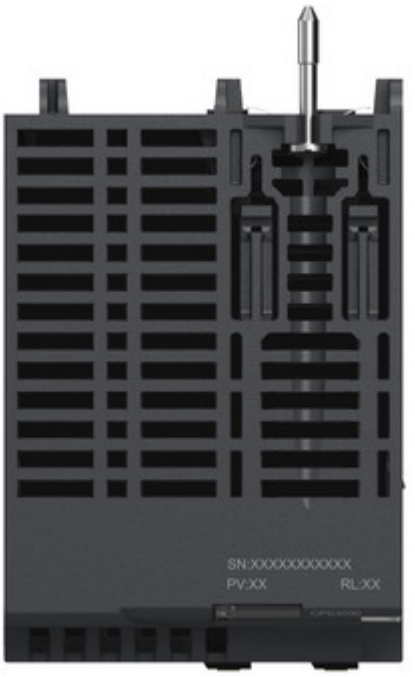
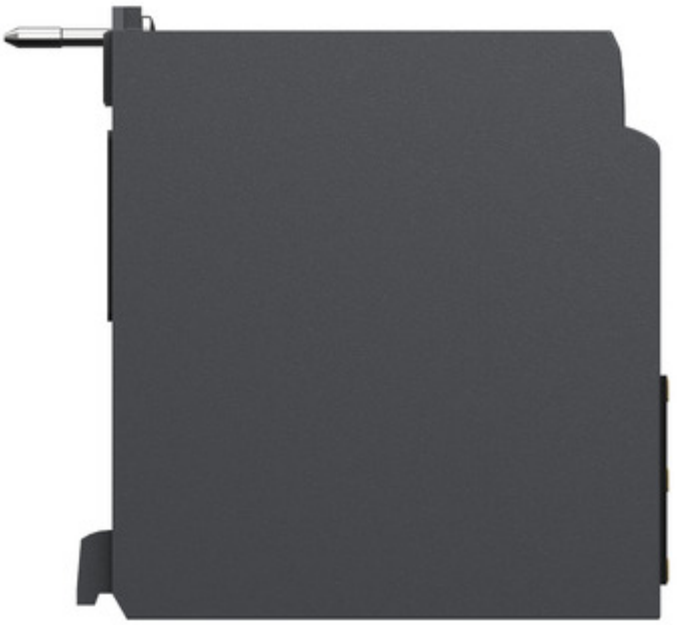
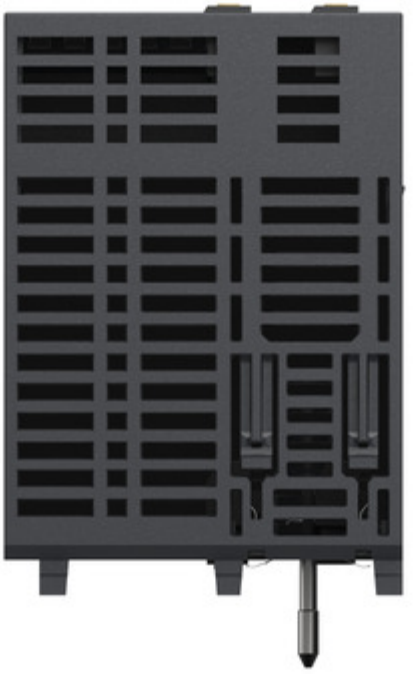
**KM** Line contactor or circuit breaker
**(1)** Insulation connector bar for locating grounding errors
**(2)** Available current of 0.45 A for the BMXCPS2000 module or 0.9 A for the BMXCPS3500 module

Image of product / Alternate images

**Alternative**






CPS3500
24V
OK
Schneider Electric
DC Out
0.9A
24V
0V
FG
AC In
100-240V
N
L
AC Power
Reset