



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 31.2 W 24 V DC I/O module power supply and processor 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 1.04 A 115 V |
| Inrush current | 30 A 120 V 60 A 240 V |
| I ² t on activation | 1 A ² .S 120 V 3 A ² .s 240 V |
| It on activation | 0.05 A.S 120 V 0.07 A.s 240 V |
| MTBF reliability | 4300000 H |
| Protection type | Internal fuse not accessible for primary circuit Overload protection for secondary circuit Overvoltage protection for secondary circuit Short-circuit protection for secondary circuit |
| Current at secondary voltage | 0.9 A 24 V DC sensor power supply 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 |
| Maximum power dissipation in W | 8.5 W |
| Status LED | 1 LED (green) rack voltage OK 1 LED (green) sensor voltage |
| 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, 24 V DC input sensor |
| Insulation resistance | >= 100 MOhm primary/ground >= 100 MOhm primary/secondary |
| Net weight | 0.36 kg |

Environment

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|---------------------------------------|--|
| Immunity to microbreaks | 1 ms |
| Dielectric strength | 1500 V primary/secondary I/O module logic power supply 1500 V primary/secondary I/O module power supply and processor 2300 V primary/secondary sensor power supply 1500 V primary/ground 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 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 2000...5000 m with derating factor |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 13.263 cm |
| Package 1 Width | 15.407 cm |
| Package 1 Length | 15.59 cm |
| Package 1 Weight | 489.8 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 | 7.0 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 | 38 kg |

Offer Sustainability

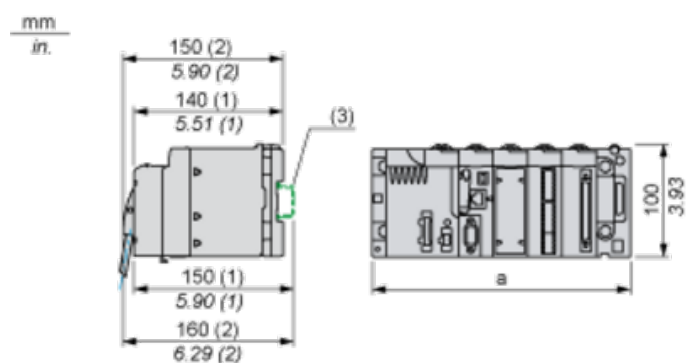
| | |
|----------------------------|---|
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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

Modules Mounted on Racks

Dimensions



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

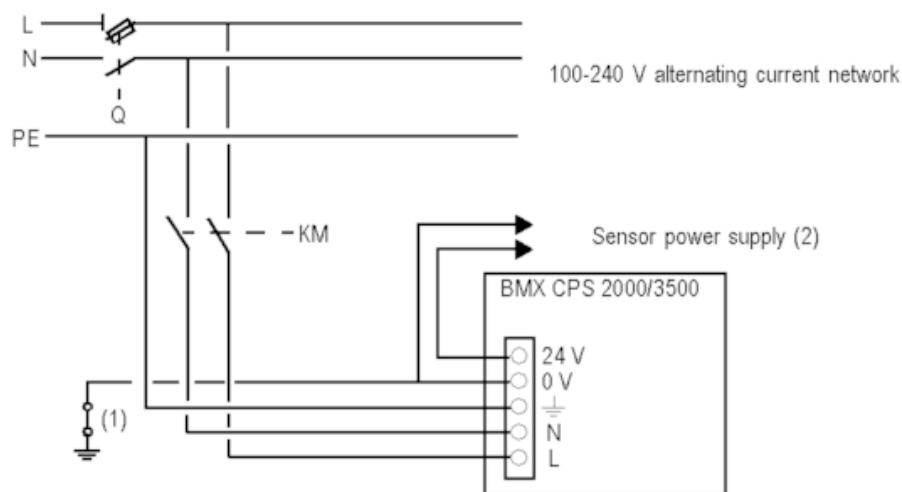
(2) With FCN connector.

(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 |

Connection of Alternating Current Power Supply Modules

Connection of a PLC Station Constituted of a Single Rack



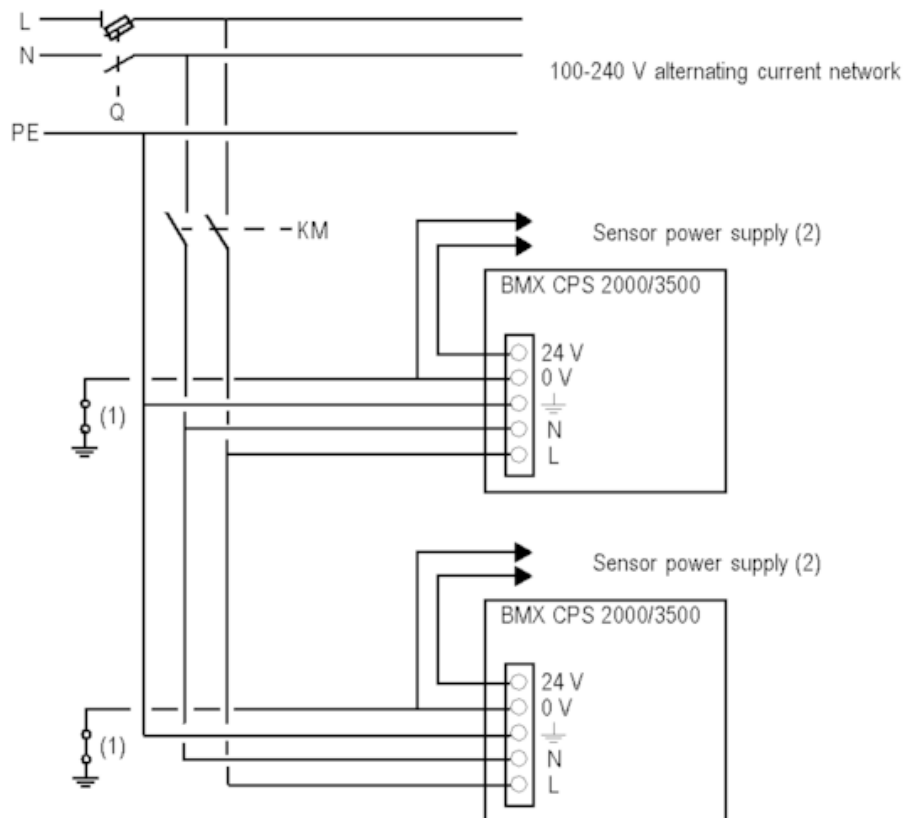
Q General isolator

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



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