Product data sheet

Specifications





power supply module, Modicon X80, 125V DC, for extended temperature

BMXCPS3540T

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 BMEXBP02 | |
| Product Specific Application | Extended temperature | |
| Primary Voltage | 125 V | |
| 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 | 100150 V |
|--------------------------------|---|
| Input current | 350 mA 125 V |
| Inrush current | 30 A 125 V |
| I ² t on activation | 2 A².s 125 V |
| It on activation | 0.05 A.s 125 V |
| MTBF reliability | 4400000 H |
| 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 |
| 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 alarm relay 1 connector 5 line supply, protective earth, 24 V DC input sensor |
| Insulation resistance | >= 100 MOhm primary/ground >= 100 MOhm primary/secondary |
| Net Weight | 0.79 lb(US) (0.36 kg) |
| | |

Environment

| Immunity to microbreaks | 1 ms |
|-------------------------|---|
| Dielectric strength | 2000 V primary/secondary I/O module logic power supply 500 V 24 V sensor output/ground |

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

| 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 |
| Environmental characteristic | Gas resistant class Gx |
| | Gas resistant class 3C4 |
| | Dust resistant class 3S4 |
| | Sand resistant class 3S4 |
| | Salt resistant level 2 |
| | Mold growth resistant class 3B2 |
| | Fungal spore resistant class 3B2 |
| Ambient Air Temperature for Storage | -40.000000000185.0000000000 °F (-4085 °C) |
| Ambient Air Temperature for Operation | -13.000000000158.0000000000 °F (-2570 °C) |
| Relative humidity | 595 % 131.000000000 °F (55 °C) without condensation |
| protective treatment | Conformal coating |
| Operating altitude | 06561.68 ft (02000 m) |
| | |
| | 20005000 m with derating factor |

Ordering and shipping details

| Category | US1PC3418160 |
|-------------------|---------------|
| Discount Schedule | PC34 |
| GTIN | 3595864082318 |
| Returnability | Yes |
| Country of origin | ID |

Packing Units

| • | |
|------------------------------|---------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.4 in (13.7 cm) |
| Package 1 Width | 6.2 in (15.7 cm) |
| Package 1 Length | 6.2 in (15.7 cm) |
| Package 1 Weight | 16.9 oz (480.0 g) |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 11.8 in (30.0 cm) |
| Package 2 Width | 15.7 in (40.0 cm) |
| Package 2 Length | 23.6 in (60.0 cm) |
| Package 2 Weight | 14.248 lb(US) (6.463 kg) |
| Unit Type of Package 3 | PAL |
| Number of Units in Package 3 | 48 |
| Package 3 Height | 23.6 in (60.0 cm) |
| Package 3 Width | 31.5 in (80.0 cm) |
| Package 3 Length | 18.9 in (48.0 cm) |
| Package 3 Weight | 91.642 lb(US) (41.568 kg) |
| | |

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

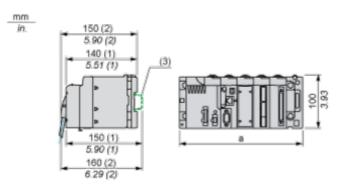
Certifications & Standards

| Reach Regulation | REACh Declaration | |
|--|---|--|
| Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope) | | |
| China Rohs Regulation | China RoHS declaration | |
| Environmental Disclosure | Product Environmental Profile | |
| | | |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. | |
| Weee Circularity Profile | | |

Dimensions Drawings

Modules Mounted on Racks

Dimensions



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

(2) With FCN connector.

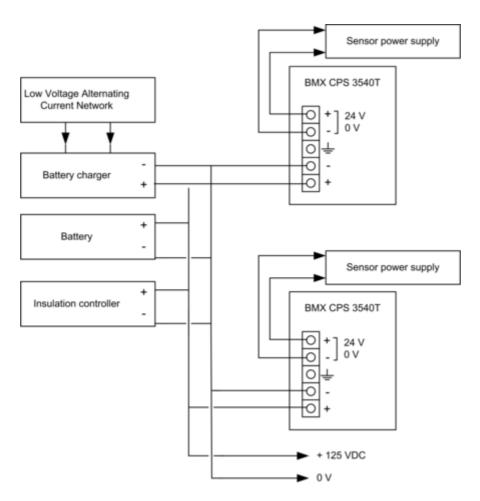
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| 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 |

Product data sheet

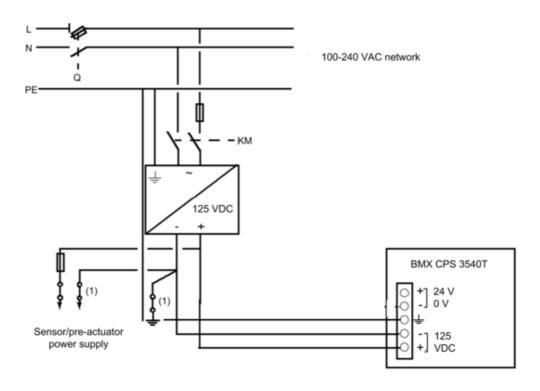
Connections and Schema

Connection of Direct Current Power Supply Modules to a 125 VDC Floating Direct Current Network



125 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

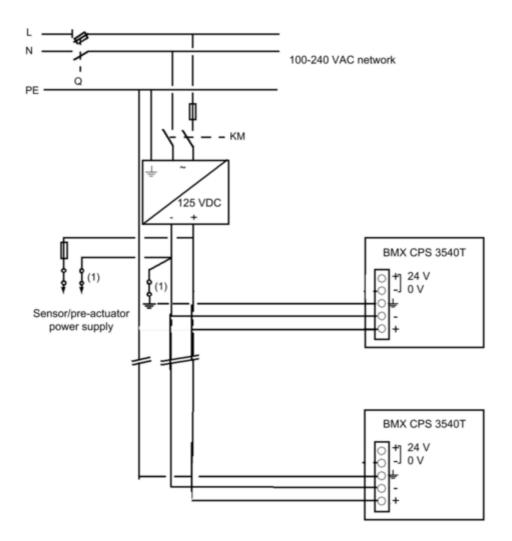
Connection of a Single Rack PLC Station



Q General isolator **KM** Line contactor or circuit breaker

(1) Insulation connector bar for grounding

Connection of a Multi-Rack PLC Station



Q General isolator

- KM Line contactor or circuit breaker
- 1 Insulation connector bar for grounding