



Main

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|------------------------------|--|
| Range of product | Modicon M340 automation platform |
| Product or component type | Power supply module |
| Primary voltage | 24 V isolated |
| Supply circuit type | DC |
| Total useful secondary power | <= 16.8 W |
| Secondary power | 8.3 W 3.3 V DC I/O module logic power supply 16.8 W 24 V DC I/O module power supply and processor |

Complementary

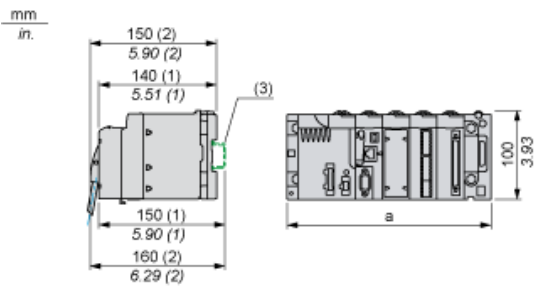
| | |
|--------------------------------|---|
| Primary voltage limit | 18...31.2 V |
| Power supply input current | 1 A 24 V |
| Inrush current | 30 A 24 V |
| I ² t on activation | <= 0.6 A ² s 24 V |
| It on activation | <= 0.15 A s 24 V |
| Protection type | Short-circuit protection secondary circuit, 24 V sensor power supply Overvoltage protection secondary circuit, 24 V sensor power supply Overload protection secondary circuit, 24 V sensor power supply Internal fuse not accessible primary circuit |
| Current at secondary voltage | 2.5 A 3.3 V DC I/O module logic power supply 0.7 A 24 V DC I/O module power supply and processor |
| Power dissipation in W | <= 8.5 W |
| Status LED | 1 LED green rack voltage OK |
| Control type | RESET pushbutton cold restart |
| Electrical connection | 1 connector 5 pin(s) line supply, protective earth, 24 V DC input sensor 1 connector 2 pin(s) alarm relay |
| Cable length | 30 m power supply cable copper 2.5 mm ² 20 m power supply cable copper 1.5 mm ² |
| Insulation resistance | >= 10 mOhm primary/secondary >= 10 mOhm primary/ground |
| Product weight | 0.29 kg |

Environment

| | |
|---------------------------------------|---|
| Immunity to microbreaks | <= 1 ms |
| Dielectric strength | 1500 V primary/secondary 1500 V primary/ground |
| IP degree of protection | IP20 |
| Standards | IACS E10 |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | 0...60 °C |
| Relative humidity | 10...95 % without condensation |
| Protective treatment | TC |

Modules Mounted on Racks

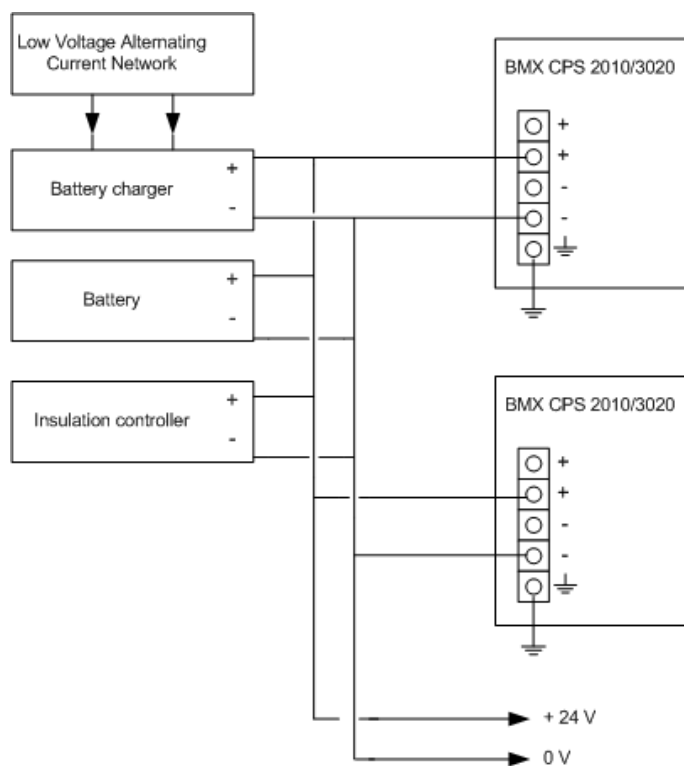
Dimensions



- (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 |

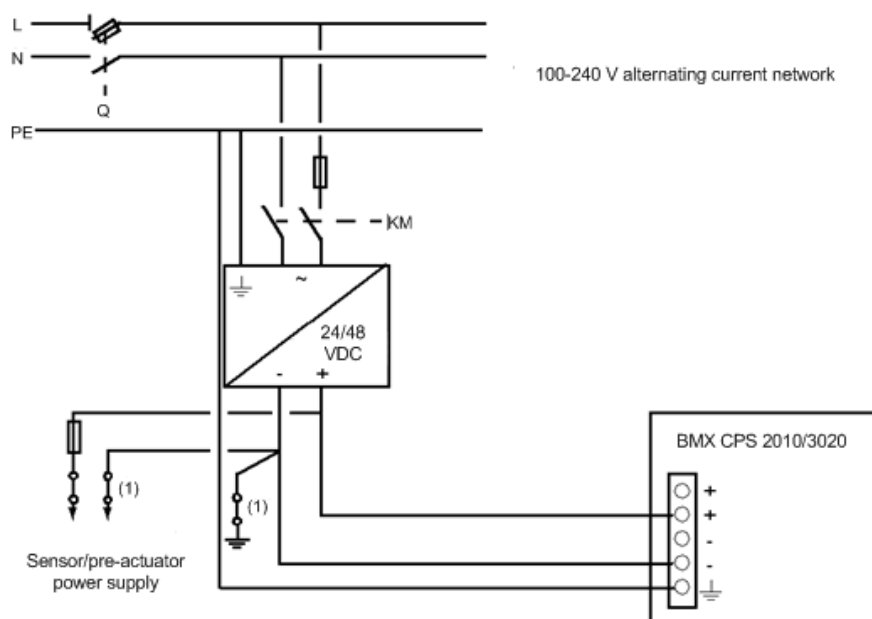
Connection of Direct Current Power Supply Modules to a 24 Vdc or 48 Vdc Floating Direct Current Network



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

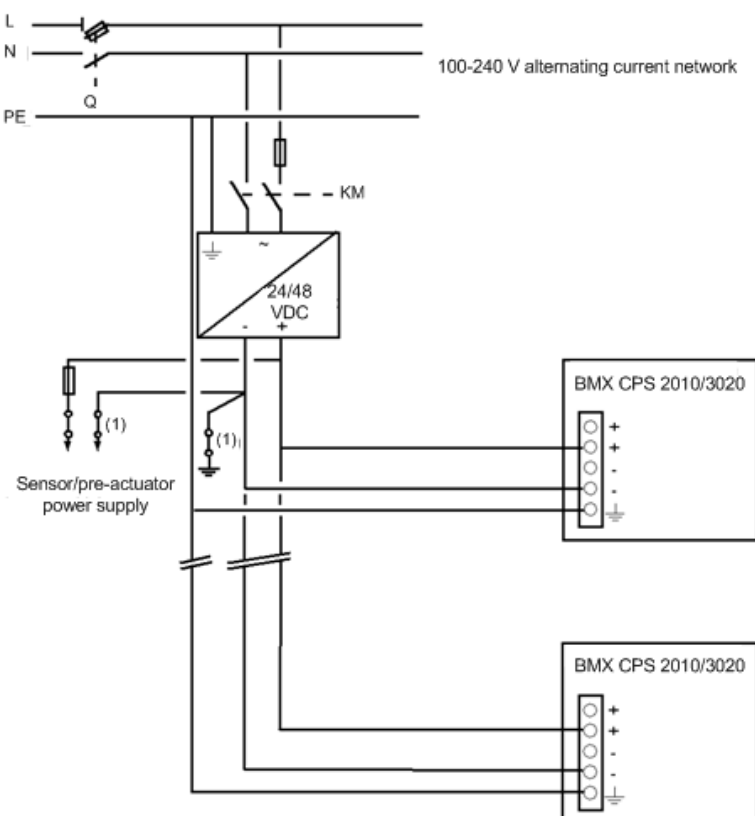
Connection of Direct Current Power Supply Modules to an Alternating Current Network

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