



## Main

Range of product	Modicon X80
Product or component type	Power supply module
Product 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 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
I <sup>2</sup> t on activation	0.6 A <sup>2</sup> .s 24 V
It on activation	<= 0.15 A.s 24 V
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	0.7 A 24 V DC I/O module power supply and processor 2.5 A 3.3 V DC I/O module logic power supply
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 1 connector 5 pin(s) line supply, protective earth, 24 V DC input sensor
Insulation resistance	>= 10 mOhm primary/ground >= 10 mOhm primary/secondary
Product weight	0.29 kg

## Environment

immunity to microbreaks	1 ms
dielectric strength	1500 V primary/ground 1500 V primary/secondary
vibration resistance	3 gn
shock resistance	30 gn
IP degree of protection	IP20
product certifications	CE CSA UL RCM Merchant Navy EAC
standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201
ambient air temperature for storage	-40...85 °C
ambient air temperature for operation	0...60 °C
relative humidity	5...95 % without condensation 55 °C

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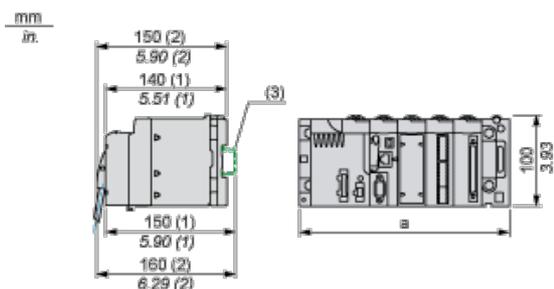
protective treatment	TC
operating altitude	0...2000 m 2000...5000 m (with derating factor)

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0722 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

## Modules Mounted on Racks

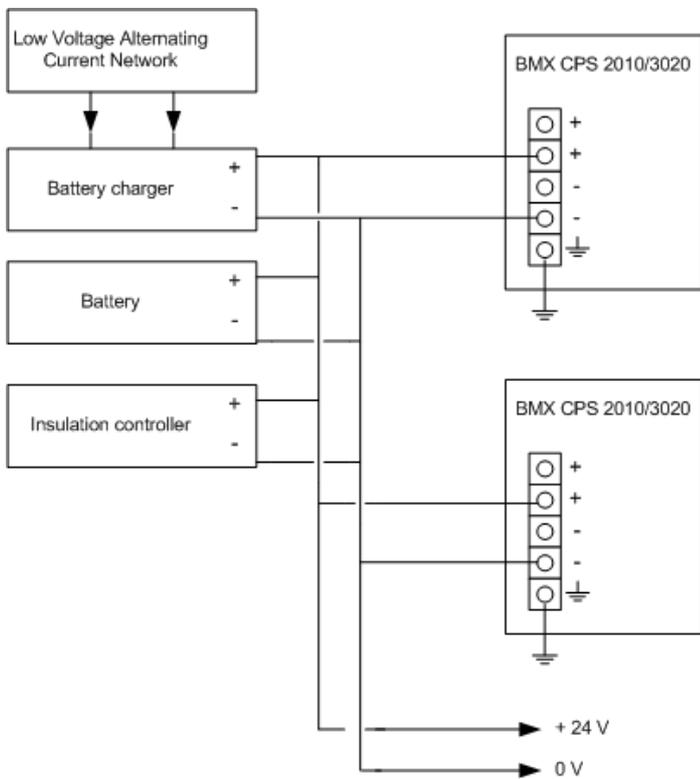
### Dimensions



- (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

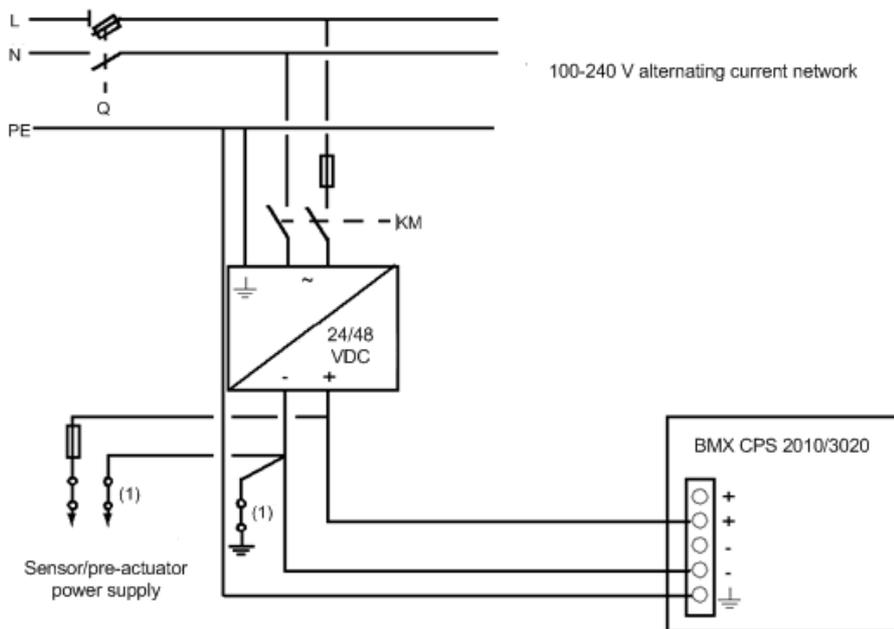
## Connection of Direct Current Power Supply Modules to a 24 Vdc or 48 Vdc Floating Direct Current Network



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

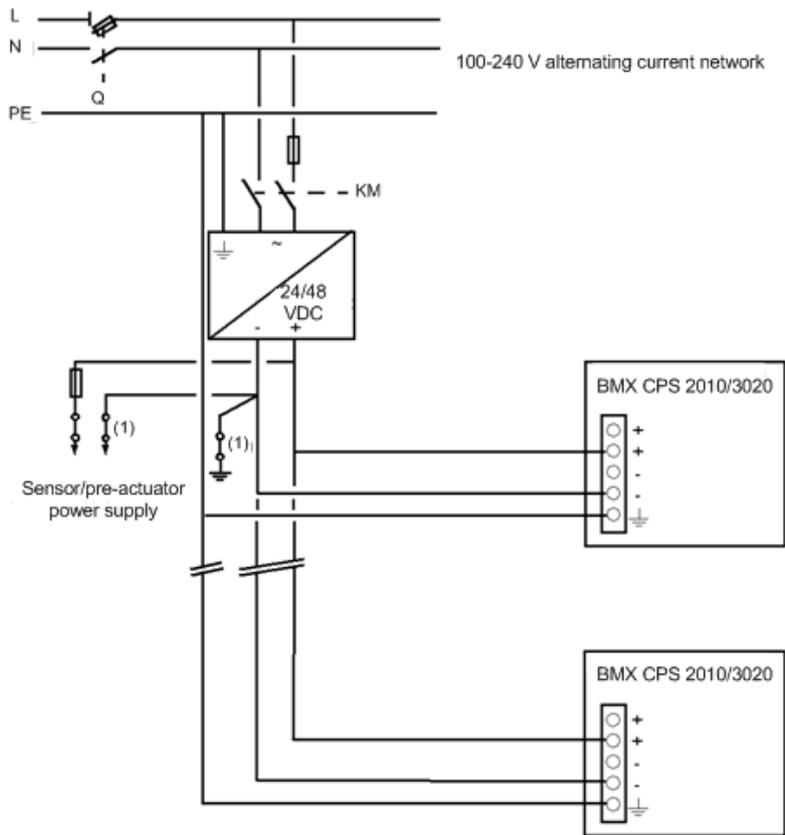
## Connection of Direct Current Power Supply Modules to an Alternating Current Network

### 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