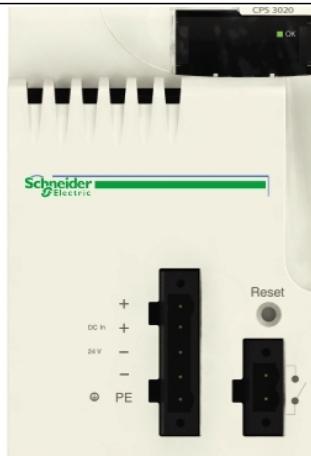


Product data sheet

Characteristics

BMXCPS3020

power supply module X80 - 24..48 V DC - 31.2 W



Main

Range of product	Modicon X80
Product or component type	Power supply module
Backplane compatibility	Not compatible with BMEXBP..02
Primary voltage	24..48 V isolated
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	18...62.4 V
Input current	0.83 A 24 V 1.65 A 24 V
Inrush current	30 A 24 V 60 A 48 V
I^2t on activation	1 A ² .S 24 V 3 A ² .s 48 V
It on activation	0.2 A.S 24 V 0.3 A.s 48 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	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	Rack voltage OK 1 LED Green)
Control type	RESET push-button cold restart
Electrical connection	1 connector 2 alarm relay 1 connector 5 line supply, protective earth
Maximum cable distance between devices	32.81 Ft (10 m) power supply cable copper 0.00 in ² (1.5 mm ²) 49.21 ft (15 m) power supply cable copper 0.00 in ² (2.5 mm ²)
Insulation resistance	>= 10 MOhm primary/ground >= 10 MOhm primary/secondary
Net Weight	0.75 lb(US) (0.34 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
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2012/19/EU - WEEE directive
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	32...140 °F (0...60 °C)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Relative humidity	5...95 % 131 °F (55 °C) without condensation
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m with derating factor

Ordering and shipping details

Category	18160 - MODICON M340
Discount Schedule	PC34
GTIN	00785901477006
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.20 in (13.2 cm)
Package 1 width	6.10 in (15.5 cm)
Package 1 Length	6.10 in (15.5 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Weight	16.53 lb(US) (7.5 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Unit Type of Package 3	P12
Number of Units in Package 3	48
Package 3 Weight	66.14 lb(US) (30 kg)
Package 3 Height	17.72 in (45 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	47.24 in (120 cm)

Offer Sustainability

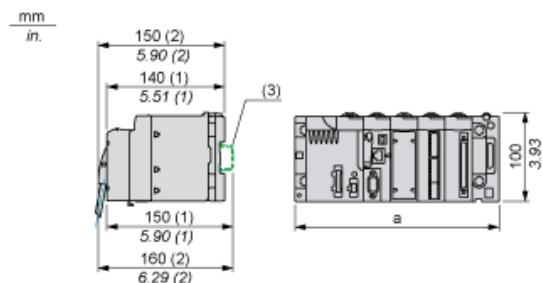
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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Modules Mounted on Racks

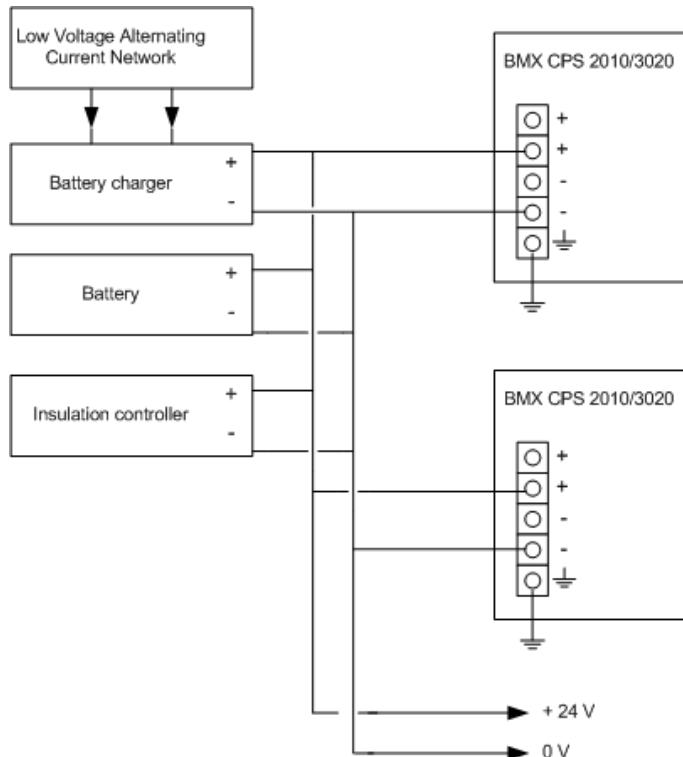
Dimensions



- (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

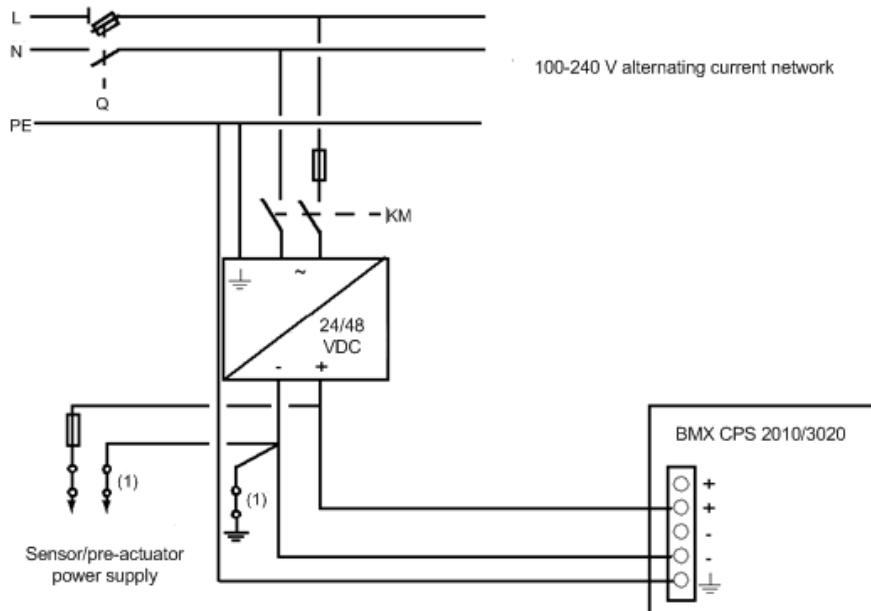
Connection of Direct Current Power Supply Modules to a 24 Vdc or 48 Vdc Floating Direct Current Network



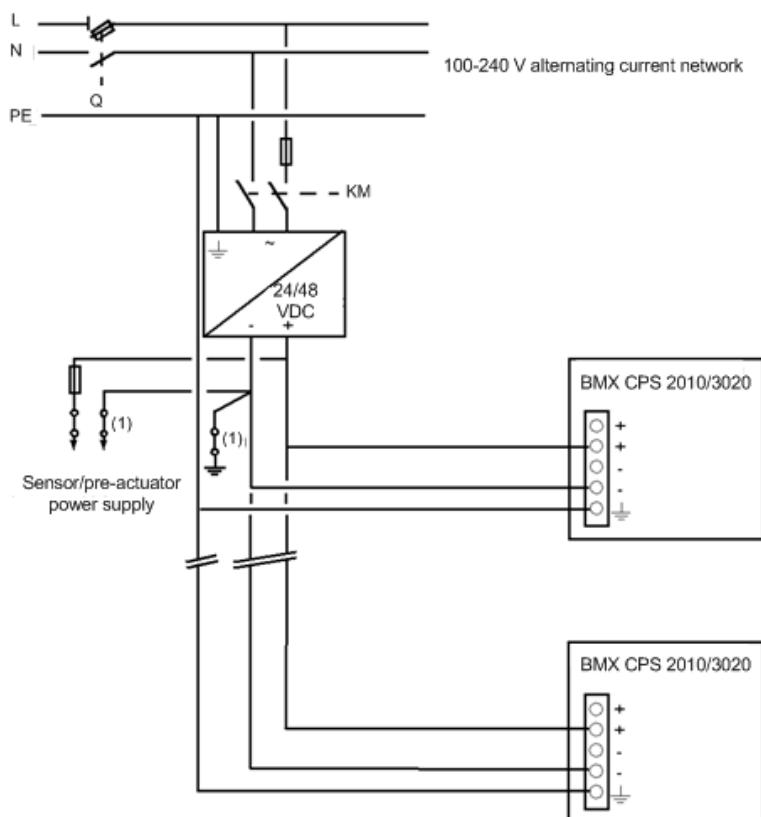
24 VDC floating network for the power supply of sensors,
actuators and input/out modules.

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

Connection of a Single Rack PLC Station



Connection of a Multi-Rack PLC Station



Q General isolator
KM Line contactor or circuit breaker
(1) Insulation connector bar for locating grounding errors