power supply module X80 - 24..48 V isolated DC - for severe environments

BMXCPS3020H

Range of product	Modicon X80	
Product or component type	Power supply module	
Backplane compatibility	Not compatible with BMEXBP02	
Product specific application	For severe environments	
Primary voltage	2448 V isolated	
Supply circuit type	DC	
Secondary power	15 W 3.3 V DC at 060 °C I/O module logic power supply 31.2 W 24 V DC at 060 °C I/O module power supply and processor 11.3 W 3.3 V DC at -2570 °C I/O module logic power supply 23.4 W 24 V DC at -2570 °C I/O module power supply and processor	

Complementary	
Primary voltage limit	1862.4 V
Input current	0.83 A 48 V
	1.65 A 24 V
Inrush current	30 A 24 V
	60 A 48 V
I²t on activation	1 A².s 24 V
	3 A ² .s 48 V
It on activation	0.2 A.s 24 V
	0.3 A.s 48 V
MTBF reliability	4600000 H
Protection type	Internal fuse not accessible for primary circuit
	Overload protection for secondary circuit, 24 V sensor power supply Overvoltage protection for secondary circuit, 24 V sensor power supply
	Short-circuit protection for 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
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
Maximum cable distance	10 m power supply cable copper 1.5 mm ²
between devices	15 m power supply cable copper 2.5 mm²
Insulation resistance	>= 10 MOhm primary/ground

Package 2 Length

60.0 cm

Package 2 Weight	6.767 kg	
Offer Sustainability		
Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
Mercury free	Yes	
China RoHS Regulation	China RoHS declaration	
RoHS exemption information	Yes	
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	

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

Contractual warranty

California proposition 65

Warranty 18 months

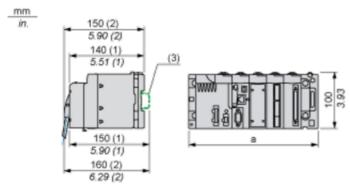
Product data sheet

BMXCPS3020H

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.

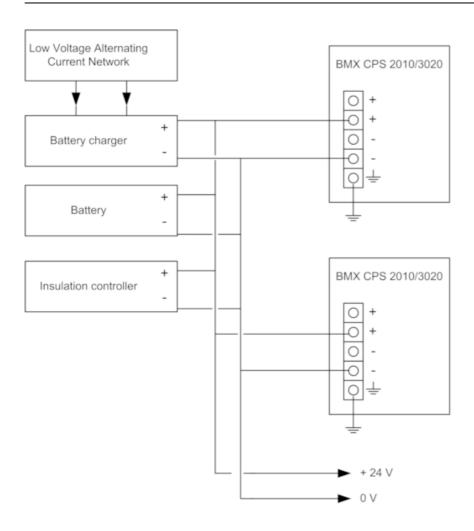
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Product data sheet

BMXCPS3020H

Connections and Schema

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.

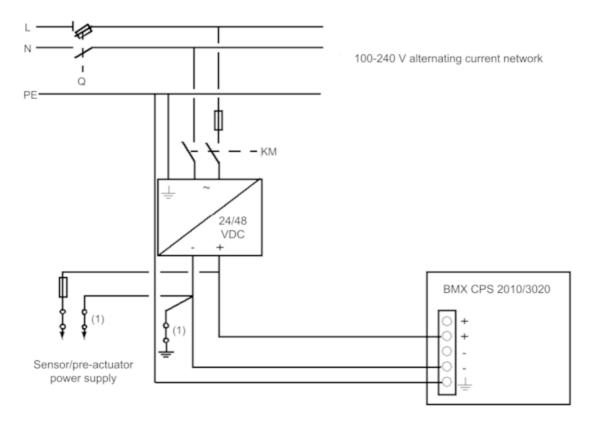
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Connections and Schema

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

Connection of a Single Rack PLC Station

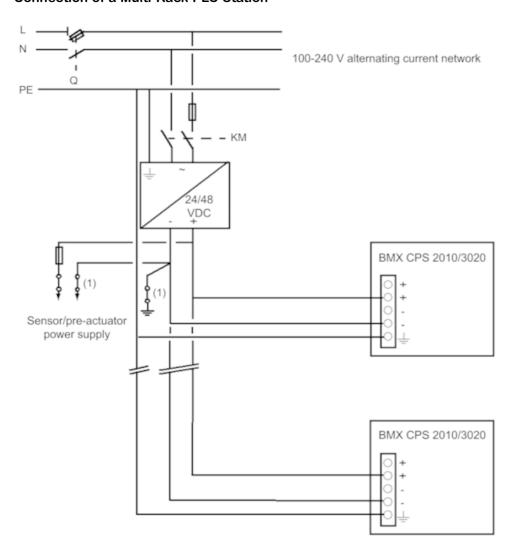


Q General isolator

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

Recommended replacement(s)