



Main

Range of product	Modicon X80
Product or component type	Power supply module
Backplane compatibility	Not compatible with BMEXBP..02
Primary voltage	100...240 V
Supply circuit type	AC
Secondary power	15 W 3.3 V DC I/O module logic power supply 21.6 W 24 V DC sensor power supply 31.2 W 24 V DC I/O module power supply and processor

Complementary

Primary voltage limit	85...264 V
Network frequency	50/60 Hz
Network frequency limits	47...63 Hz
Apparent power	0.07 kVA
Input current	0.52 A 240 V 1.04 A 115 V
Inrush current	30 A 120 V 60 A 240 V
I ² t on activation	1 A ² .s 120 V 3 A ² .s 240 V
It on activation	0.05 A.s 120 V 0.07 A.s 240 V
Protection type	Internal fuse not accessible primary circuit Overload protection secondary circuit Overvoltage protection secondary circuit Short-circuit protection secondary circuit
Current at secondary voltage	0.9 A 24 V DC sensor power supply 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
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 pin(s) alarm relay 1 connector 5 pin(s) line supply, protective earth, 24 V DC input sensor
Insulation resistance	>= 100 MOhm primary/ground >= 100 MOhm primary/secondary
Product weight	0.36 kg

Environment

Immunity to microbreaks	1 ms
Dielectric strength	1500 V primary/ground 1500 V primary/secondary I/O module logic power supply 1500 V primary/secondary I/O module power supply and processor 2300 V primary/secondary sensor power supply 500 V 24 V sensor output/ground
Vibration resistance	3 gn
Shock resistance	30 gn
IP degree of protection	IP20
Directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
Product certifications	CE CSA UL RCM Merchant Navy EAC
Standards	EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 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
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m (with derating factor)

Offer Sustainability

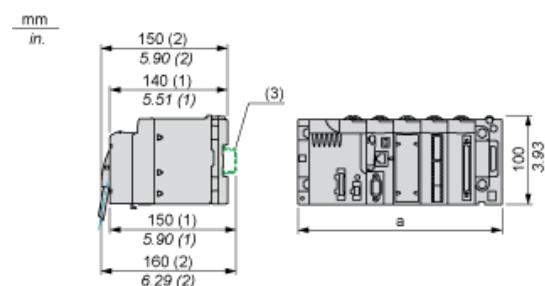
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0722 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental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

Contractual warranty

Warranty period	18 months
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Modules Mounted on Racks

Dimensions

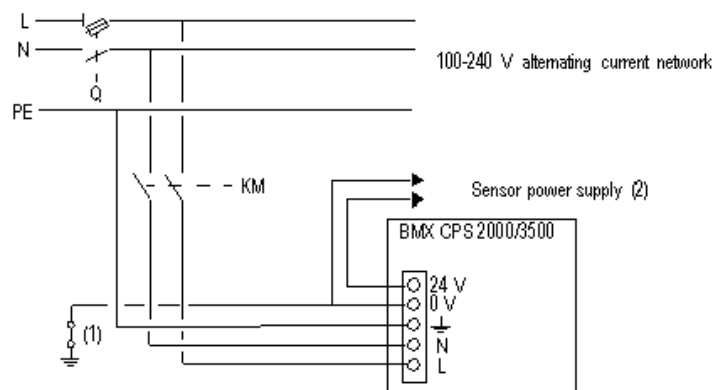


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

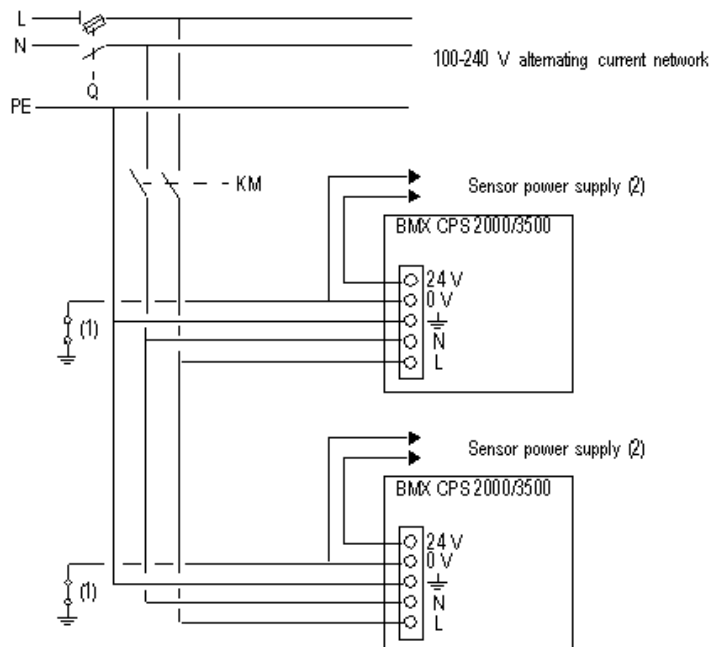
Connection of Alternating Current Power Supply Modules

Connection of a PLC Station Constituted of a Single Rack



- Q General isolator
KM Line contactor or circuit breaker
(1) Insulation connector bar for locating grounding errors
(2) Available current of 0.45 A for the BMXCPS2000 module or 0.9 A for the BMXCPS3500 module

Connection of a PLC Station Constituted of Several Racks



- Q General isolator
KM Line contactor or circuit breaker
(1) Insulation connector bar for locating grounding errors
(2) Available current of 0.45 A for the BMXCPS2000 module or 0.9 A for the BMXCPS3500 module