

# Schneider Service Manual

BMXCPS2000

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## 1. Description

BMXCPS2000

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## 3. Product Information

BMXCPS2000

power supply module X80 - 100...240 V AC - 20 W

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 10.8 W 24 V DC sensor power supply

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 85...264 V

Network frequency 50/60 Hz

Network frequency limits 47...63 Hz

Apparent power 0.07 kVA

Input current 0.31 A 240 V

0.61 A 115 V

Inrush current 30 A 120 V

60 A 240 V

I<sup>2</sup>t on activation 12 A<sup>2</sup>.s 240 V

It on activation 0.06 A.s 240 V

0.03 A.s 120 V

Protection type Internal fuse not accessible for primary circuit

Overload protection for secondary circuit

Overvoltage protection for secondary circuit

Short-circuit protection for secondary circuit

Current at secondary voltage 0.45 A 24 V DC sensor power supply

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

Maximum 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  $\geq 100$  MOhm primary/ground

$\geq 100$  MOhm primary/secondary

Net weight 0.3 kg

Environment

Immunity to microbreaks 1 ms

Dielectric strength 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

1500 V primary/ground

500 V 24 V sensor output/ground

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

Product certifications Merchant Navy

CSA

UL

CE

RCM

EAC

Standards EN 61131-2

EN 61000-6-4

EN 61000-6-2

EN 61010-2-201

Ambient air temperature for storage -40...85 °C

Ambient air temperature for operation 0...60 °C

Relative humidity 5...95 % at 55 °C without condensation

Protective treatment TC

Operating altitude 0...2000 m

2000...5000 m with derating factor

Offer Sustainability

Sustainable offer status Green Premium product