# Product data sheet
## Characteristics

# BMXCPS2000
power supply module, Modicon X80, 100 to 240V AC, 20W



## Main

| | |
|---|---|
| Range of product | Modicon X80 |
| Product or component type | Power supply module |
| Product 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<br>16.8 W 24 V DC I/O module power supply and processor<br>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<br>0.61 A 115 V |
| Inrush current | 30 A 120 V<br>60 A 240 V |
| I²t on activation | 12 A².S 240 V |
| It on activation | 0.06 A.S 240 V<br>0.03 A.S 120 V |
| MTBF reliability | 4638000 H |
| Protection type | Internal fuse not accessible for primary circuit<br>Overload protection for secondary circuit<br>Overvoltage protection for secondary circuit<br>Short-circuit protection for secondary circuit |
| Current at secondary voltage | 0.45 A 24 V DC sensor power supply<br>0.7 A 24 V DC I/O module power supply and processor<br>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<br>1 LED (green) sensor voltage |
| Control type | RESET push-button cold restart |
| Electrical connection | 1 connector 2 pin(s)alarm relay<br>1 connector 5 pin(s)line supply, protective earth, 24 V DC input sensor |
| Insulation resistance | >= 100 MOhm primary/ground<br>>= 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<br>1500 V primary/secondary I/O module power supply and processor<br>2300 V primary/secondary sensor power supply<br>1500 V primary/ground<br>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<br>2014/30/EU - electromagnetic compatibility |
| 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<br>2000...5000 m with derating factor |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 13.500 Cm |
| Package 1 Width | 15.400 Cm |
| Package 1 Length | 16.400 Cm |
| Package 1 Weight | 481.000 G |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 40.000 Cm |
| Package 2 Length | 60.000 Cm |
| Package 2 Weight | 6.438 Kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 48 |
| Package 3 Height | 75.000 Cm |
| Package 3 Width | 60.000 Cm |
| Package 3 Length | 80.000 Cm |
| Package 3 Weight | 35.804 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 1 |
| Total lifecycle Carbon footprint | 457 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 5.091602367346939 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 5 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0573798163265306 |
| Carbon footprint of the distribution phase [A4] | 0.1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.2134806775510204 |
| Carbon footprint of the installation phase [A5] | 0.2 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 450.6399999999999 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 451 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.6077559102040816 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.6 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 457 |

| | |
|---|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 41745a42-b2d7-4938-80f8-0738cea8ed1d |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, w |
| End of life manual availability | End Of Life Information |
| Take-back | No |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised