Product data sheet
Characteristics

BMXCPS4002
power supply module, Modicon X80, 100 to 240V AC



Main

Range of product	Modicon X80
Product or component type	Power supply module
Product compatibility	All backplane
Function available	Temperature sensing Redundancy test Uptime duration Redundancy information Remaining lifetime
Primary voltage	100...240 V
Supply circuit type	AC
Secondary power	18 W 3.3 V DC at 0…60 °C I/O module logic power supply 40 W 24 V DC at 0…60 °C I/O module power supply and processor if 3.3 V not loaded

Complementary

Primary voltage limit	85...264 V
Network frequency	50/60 Hz
Network frequency limits	47…63 Hz
Apparent power	0.13 KVA
Input current	0.55 A 240 V 1.01 A 115 V
Inrush current	30 A 120 V 60 A 240 V
I²t on activation	1 A².S 115 V 4 A².S 230 V
It on activation	0.1 A.S 115 V 0.15 A.S 230 V
MTBF reliability	792000 H
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	5.5 A 3.3 V DC I/O module logic power supply 1.67 A 24 V DC I/O module power supply and processor
Maximum power dissipation in W	8.5 W
Status LED	1 LED (green) presence of voltages (OK) 1 LED (green) redundancy OK 1 LED (green) power supply status
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

Insulation resistance	>= 100 MOhm primary/ground >= 100 MOhm primary/secondary
Net weight	0.51 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
Environmental characteristic	3C3 conforming to IEC 60721-3-3 3C4 conforming to IEC 60721-3-3
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 Conformal coating Humiseal 1A33
Operating altitude	0...2000 m 2000...5000 m with derating factor

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.800 Cm
Package 1 Width	18.300 Cm
Package 1 Length	25.300 Cm
Package 1 Weight	614.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	4.420 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	496 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	26.5127678350193
Carbon footprint of the manufacturing phase [A1 to A3]	27 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.9825497604367468
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.006144874392077003
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	467.2337794379029
Carbon footprint of the use phase [B2, B3, B4, B6]	467 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	1.495473054301587
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	496
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