Product data sheet
Characteristics

BMXCPS3500
power supply module, Modicon X80, 100 to 240V AC, 36W



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	15 W 3.3 V DC I/O module logic power supply 31.2 W 24 V DC I/O module power supply and processor 21.6 W 24 V DC sensor power supply

Complementary

Primary voltage limit	85...264 V
Network frequency	50/60 Hz
Network frequency limits	47…63 Hz
Apparent power	0.12 KVA
Input current	0.52 A 240 V 1.04 A 115 V
Inrush current	30 A 120 V 60 A 240 V
I²t on activation	1 A².S 120 V 3 A².S 240 V
It on activation	0.05 A.S 120 V 0.07 A.S 240 V
MTBF reliability	4300000 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	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
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	>= 100 MOhm primary/ground >= 100 MOhm primary/secondary
Net weight	0.36 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
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.000 Cm
Package 1 Width	15.500 Cm
Package 1 Length	15.500 Cm
Package 1 Weight	530.000 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	7.520 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	41.000 Kg

Offer Sustainability

Recyclability potential, in %	1
Total lifecycle Carbon footprint	457 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	5.6857
Carbon footprint of the manufacturing phase [A1 to A3]	6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.064075
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.23839
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	450.64
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]	0.67867
Carbon footprint of the end-of-life phase [C1 to C4]	0.7 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