Product data sheet
Characteristics

BMXCPS2010
power supply module, Modicon X80, 24V DC, 16.8W



Main

Range of product	Modicon X80
Product or component type	Power supply module
Product compatibility	Not compatible with BMEXBP..02
Primary voltage	24 V isolated
Supply circuit type	DC
Secondary power	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	18...31.2 V
Input current	1 A 24 V
Inrush current	30 A 24 V
I²t on activation	0.6 A².S 24 V
It on activation	0.15 A.S 24 V
MTBF reliability	4886000 H
Protection type	Internal fuse not accessible for primary circuit Overload protection for secondary circuit, 24 V sensor power supply Overvoltage protection for secondary circuit, 24 V sensor power supply Short-circuit protection for secondary circuit, 24 V sensor power supply
Current at secondary voltage	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
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
Maximum cable distance between devices	20 M power supply cable copper 1.5 mm² 30 M power supply cable copper 2.5 mm²
Insulation resistance	>= 10 MOhm primary/ground >= 10 MOhm primary/secondary
Net weight	0.29 Kg

Environment

Immunity to microbreaks	1 Ms
Dielectric strength	1500 V primary/ground 1500 V primary/secondary
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	15.300 Cm
Package 1 Width	13.000 Cm
Package 1 Length	15.500 Cm
Package 1 Weight	478.000 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	6.288 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	35.160 Kg

Offer Sustainability

Recyclability potential, in %	1
Total lifecycle Carbon footprint	456 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.873457142857142
Carbon footprint of the manufacturing phase [A1 to A3]	5 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0549214285714285
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.2043342857142857
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]	0.5817171428571428
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	456
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, which
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised