Product data sheet
Characteristics

BMXCPS4022
redundant power supply module, Modicon X80, 24 to 48V DC



Main

Range of product	Modicon X80
Product or component type	Power supply module
Product compatibility	All backplane
Function available	Redundancy information Redundancy test Temperature sensing Remaining lifetime Uptime duration
Primary voltage	24...48 V
Supply circuit type	DC
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	18...62.4 V
Input current	1.9 A 24 V 1 A 48 V
Inrush current	60 A 48 V 60 A 24 V
I²t on activation	0.4 A².S 24 V 1.9 A².S 48 V
It on activation	0.05 A.S 24 V 0.08 A.S 48 V
MTBF reliability	752000 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
Maximum cable distance between devices	10 M 15 M
Insulation resistance	>= 100 MOhm primary/ground >= 100 MOhm primary/secondary
Net weight	0.81 Kg

Environment

Immunity to microbreaks	1 Ms
Dielectric strength	1500 V primary/ground 1500 V primary/secondary
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	10…95 % without condensation

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.500 Cm
Package 1 Width	18.000 Cm
Package 1 Length	25.500 Cm
Package 1 Weight	666.000 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	4.680 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	496 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	26.353052366133642
Carbon footprint of the manufacturing phase [A1 to A3]	26 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.9766307859762845
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.006107857076462081
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	467.2337794379028
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]	1.4864641804804932
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, which
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised