

Product datasheet

Specifications



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

BMXCPS4022

Main

Range of product	Modicon X80
Product or component type	Power supply module
backplane compatibility	All backplane
advanced diagnostics available via network	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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	18 cm
Package 1 Width	25 cm
Package 1 Length	9 cm
Package 1 Weight	660 g
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.4 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	48
Package 3 Height	60 cm
Package 3 Width	80 cm
Package 3 Length	70 cm
Package 3 Weight	43.2 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	496
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	41745a42-b2d7-4938-80f8-0738cea8ed1d
REACH Regulation	REACH Declaration

Use Again

Repack and remanufacture	
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins