Product data sheet

Specifications



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

BMXCPS4022

Product availability: Stock - Normally stocked in distribution facility

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 32…140 °F (0…60 °C) I/O module logic power supply 40 W 24 V DC 32…140 °F (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 primary circuit Overload protection secondary circuit Overvoltage protection secondary circuit Short-circuit protection 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 alarm relay 1 connector 5 line supply, protective earth
Maximum cable distance between devices	32.8 ft (10 m) 49.2 ft (15 m)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	1.79 lb(US) (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 IEC 60721-3-3 3C4 IEC 60721-3-3
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Relative humidity	10…95 % without condensation

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3606481179074
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.740 in (9.500 cm)
Package 1 Width	7.087 in (18.000 cm)
Package 1 Length	10.039 in (25.500 cm)
Package weight(Lbs)	23.492 oz (666.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	10.318 lb(US) (4.680 kg)

Contractual warranty

Warranty (in months)	18

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

Total lifecycle Carbon footprint	**496 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**26 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**467 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**41745a42-b2d7-4938-80f8-0738cea8ed1d**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

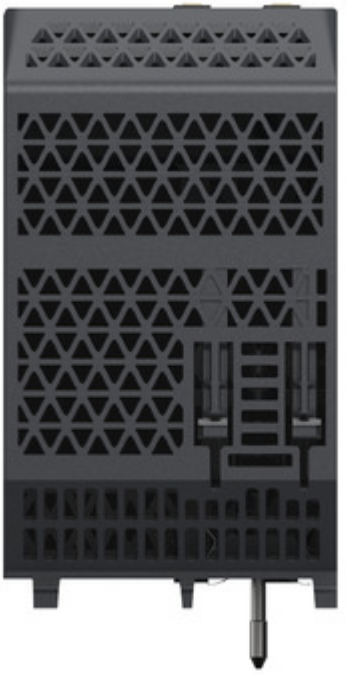
Use Again

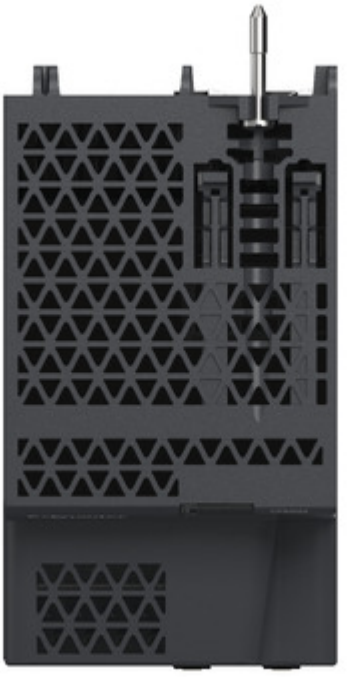
Repack and remanufacture

Recyclability potential, in %	**0**
Circularity Profile	**End of Life Information**
Take-back	**No**

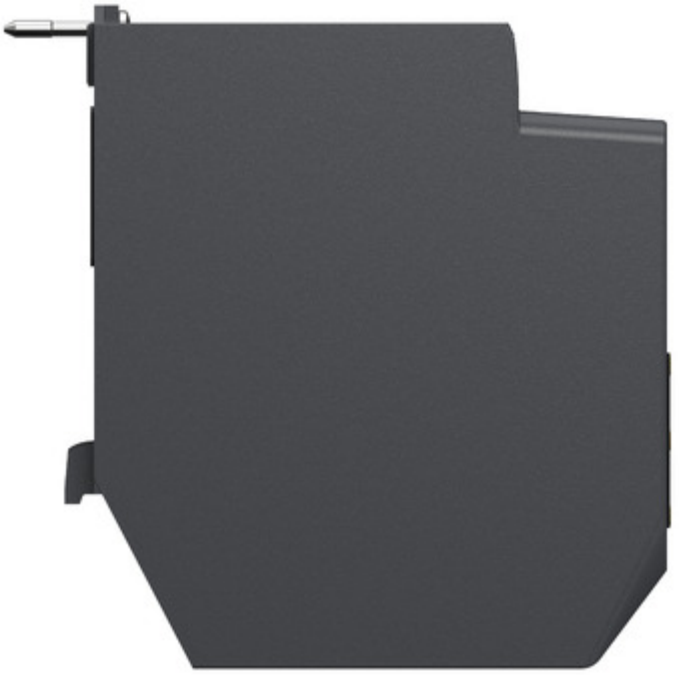
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Alternative










Schneider Electric
Modicon
BMXCPS4022
REDUNDANT HP 24-48 VDC POWER SUPPLY
DOM : XXXX
DC Power
Input 24-48 V d.c., 1.85A max.
Output: 40W
Relay


Schneider Electric
ACTIVE
OK
RD
Modicon
DC Power Supply
Reset
FG