

# redundant power supply module X80 - 24..48 V 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	2448 V	
Supply circuit type	DC	
Secondary power	18 W 3.3 V DC at 060 °C I/O module logic power supply 40 W 24 V DC at 060 °C I/O module power supply and processor if 3.3 V not loaded	

## Complementary

Primary voltage limit	1862.4 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 A <sup>2</sup> .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	
	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	10 m	
devices	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	-4085 °C	
Ambient air temperature for operation	060 °C	
Relative humidity	1095 % without condensation	

# **Packing Units**

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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.

How this information helps you >

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

#### **Use Better**

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
China RoHS Regulation	China RoHS declaration

## **Use Again**

WEEE



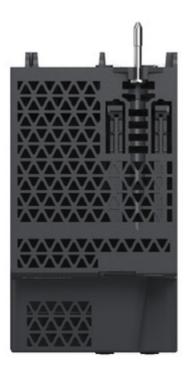
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Take-back

No

Image of product / Alternate images

#### **Alternative**









07-Jan-2025



