

redundant power supply module X80 - 24..48 V DC -for severe environments

BMXCPS4022H

EAN Code: 3606481179081

Main

Range of product	Modicon X80	
Product or component type	Power supply module	
backplane compatibility	All backplane	
Product specific application	For severe environments	
advanced diagnostics available via network	Temperature sensing Uptime duration Redundancy test Remaining lifetime Redundancy information	
Primary voltage	2448 V	
Supply circuit type	DC	
Secondary power	18 W 3.3 V DC at -2570 °C I/O module logic power supply 40 W 24 V DC at -2570 °C I/O module power supply and processor if 3.3 V not loaded	

Complementary

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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	1 A² s 24 V
	3 A ² .s 48 V
It on activation	0.3 A.s 24 V
	0.4 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	
Product 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 2014/34/EU - ATEX directive	
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22	
Standards	IEC 61131-2 IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5, interface type 1 and type 2 EN/IEC 61850-3, location G IEC 60079-0	
Environmental characteristic	Gas resistant class Gx conforming to ISA S71.04 Gas resistant class 3C4 conforming to IEC 60721-3-3 Dust resistant class 3S4 conforming to IEC 60721-3-3 Sand resistant class 3S4 conforming to IEC 60721-3-3 Salt resistant level 2 conforming to IEC 68252 Mold growth resistant class 3B2 conforming to IEC 60721-3-3 Fungal spore resistant class 3B2 conforming to IEC 60721-3-3 Hazardous location class I division 2	
Ambient air temperature for storage	-4085 °C	
Ambient air temperature for operation	-2570 °C	
Relative humidity	1095 % without condensation	
Protective treatment	Conformal coating	
Packing Units		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	9.000 cm	
Package 1 Width	17.800 cm	
Package 1 Length	25.000 cm	
Package 1 Weight	675.000 g	
Unit Type of Package 2	S03	
Number of Units in Package 2	6	

30.000 cm

30.000 cm

Package 2 Height

Package 2 Width

Package 2 Length	40.000 cm
Package 2 Weight	4.712 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



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)	495
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

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

Image of product / Alternate images

Alternative











