Product data sheet
Characteristics

BMXCPS4022S
redundant power supply module X80 - 24..48 V DC - Safety

Green Premium™

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Power supply module
Product Compatibility	All backplane
Function Available	Redundancy information Redundancy test Remaining lifetime Temperature sensing Uptime duration
Primary voltage	24...48 V
Supply circuit type	DC
Secondary power	18 W 3.3 V DC -13…140 °F (-25…60 °C) I/O module logic power supply 40 W 24 V DC -13…140 °F (-25…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 24 V 60 A 48 V
I²t on activation	1 A².S 24 V 3 A².S 48 V
It on activation	0.3 A.S 24 V 0.4 A.S 48 V
MTBF reliability	785850 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	1.67 A 24 V DC I/O module logic power supply 5 A 3.3 V DC I/O module power supply and processor
Maximum power dissipation in W	8.5 W
Status LED	Presence of voltages (OK) 1 LED Green) Redundancy OK 1 LED Green) Power supply status 1 LED Green)

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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	32.81 Ft (10 m) 49.21 Ft (15 m)
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
Vibration resistance	3 gn
Shock resistance	15 gn
IP Degree of Protection	IP20
Directives	2014/30/EU - electromagnetic compatibility 2006/42/EC - machinery 2014/34/EU - ATEX directive
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22 TÜV
Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5 EN/IEC 61850-3 EN/IEC 60079-0
Environmental characteristic	Hazardous location class I division 2 Gas resistant class Gx ISA S71.04 Gas resistant class 3C4 IEC 60721-3-3 Dust resistant class 3S4 IEC 60721-3-3 Sand resistant class 3S4 IEC 60721-3-3 Salt resistant level 2 IEC 68252 Mold growth resistant class 3B2 IEC 60721-3-3 Fungal spore resistant class 3B2 IEC 60721-3-3
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Ambient air temperature for operation	-13…140 °F (-25…60 °C)
Relative humidity	5…95 % 131 °F (55 °C) without condensation
Protective treatment	Conformal coating
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m with derating factor

Ordering and shipping details

Category	18161 - MODICON M580 CONTROLLERS HSBY
Discount Schedule	PC34
GTIN	3606489562496
Nbr. of units in pkg.	1
Package weight(Lbs)	23.77 Oz (674 g)
Returnability	Yes

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Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.54 In (9 cm)
Package 1 width	7.09 In (18 cm)
Package 1 Length	9.84 In (25 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Weight	10.36 Lb(US) (4.7 kg)
Package 2 Height	11.81 In (30 cm)
Package 2 width	11.81 In (30 cm)
Package 2 Length	15.75 In (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Product Life Status :   Commercialised