



Main

Range of product	Modicon X80
Product or component type	Power supply module
Backplane compatibility	Not compatible with BMEXBP..02
Primary voltage	100...240 V
Supply circuit type	AC
Secondary power	10.8 W 24 V DC sensor power supply 16.8 W 24 V DC I/O module power supply and processor 8.3 W 3.3 V DC I/O module logic power supply

Complementary

Primary voltage limit	85...264 V
Network frequency	50/60 Hz
Network frequency limits	47...63 Hz
Apparent power	0.07 kVA
Input current	0.31 A 240 V 0.61 A 115 V
Inrush current	30 A 120 V 60 A 240 V
I^2t on activation	12 A ² .s 240 V
I_t on activation	0.06 A.s 240 V 0.03 A.s 120 V
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	0.45 A 24 V DC sensor power supply 0.7 A 24 V DC I/O module power supply and processor 2.5 A 3.3 V DC I/O module logic power supply
Power dissipation in W	≤ 8.5 W
Status LED	1 LED green rack voltage OK 1 LED green sensor voltage
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, 24 V DC input sensor
Insulation resistance	>= 100 MOhm primary/ground >= 100 MOhm primary/secondary
Product weight	0.3 kg

Environment

Immunity to microbreaks	1 ms
Dielectric strength	1500 V primary/ground 1500 V primary/secondary I/O module logic power supply 1500 V primary/secondary I/O module power supply and processor 2300 V primary/secondary sensor power supply 500 V 24 V sensor output/ground
Vibration resistance	3 gn
Shock resistance	30 gn
IP degree of protection	IP20
Directives	2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive 2012/19/EU - WEEE directive
Product certifications	CSA CE Merchant Navy UL RCM EAC
Standards	EN 61000-6-4 EN 61010-2-201 EN 61131-2 EN 61000-6-2
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	0...60 °C
Relative humidity	5...95 % without condensation 55 °C
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m (with derating factor)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0722 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
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