

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	15 W 3.3 V DC I/O module logic power supply 31.2 W 24 V DC I/O module power supply and processor 21.6 W 24 V DC sensor power supply

Complementary

Primary voltage limit	85...264 V
Network frequency	50/60 Hz
Network frequency limits	47...63 Hz
Apparent power	0.12 kVA
Input current	0.52 A 240 V 1.04 A 115 V
Inrush current	30 A 120 V 60 A 240 V
I ² t on activation	1 A ² .S 120 V 3 A ² .s 240 V
I _t on activation	0.05 A.s 120 V 0.07 A.s 240 V
MTBF reliability	4300000 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	0.9 A 24 V DC sensor power supply 1.3 A 24 V DC I/O module power supply and processor 4.5 A 3.3 V DC I/O module logic power supply
Maximum 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
Net weight	0.36 kg

Environment

Immunity to microbreaks	1 ms
Dielectric strength	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 1500 V primary/ground 500 V 24 V sensor output/ground
Vibration resistance	3 gn
Shock resistance	30 gn
IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	0...60 °C
Relative humidity	5...95 % at 55 °C without condensation
Protective treatment	TC
Operating altitude	0...2000 m 2000...5000 m with derating factor

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.263 cm
Package 1 Width	15.407 cm
Package 1 Length	15.59 cm
Package 1 Weight	489.8 g
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	7.0 kg
Unit Type of Package 3	P06
Number of Units in Package 3	48
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	38 kg

Offer Sustainability

Packaging without single use plastic	Yes
Packaging made with recycled cardboard	Yes
SCIP Number	41745a42-b2d7-4938-80f8-0738cea8ed1d
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

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
Take-back	No
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	457

Contractual warranty

Warranty	18 months
----------	-----------