



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	100...240 V
Supply circuit type	AC
Secondary power	15 W 3.3 V DC at -25...60 °C I/O module logic power supply 40 W 24 V DC at -25...60 °C I/O module power supply and processor if 3.3 V not loaded

Complementary

Primary voltage limit	85...264 V
Network frequency	50/60 Hz
Network frequency limits	47...63 Hz
Apparent power	0.13 kVA
Input current	0.55 A 230 V 1.1 A 115 V
Inrush current	30 A 115 V 60 A 230 V
I ² t on activation	1 A ² .s 115 V 4 A ² .s 230 V
It on activation	0.1 A.s 115 V 0.15 A.s 230 V
MTBF reliability	770880 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	4.5 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
Insulation resistance	>= 100 MOhm primary/ground >= 100 MOhm primary/secondary
Product weight	0.51 kg

Environment

Immunity to microbreaks	10 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	15 gn
IP degree of protection	IP20
Product certifications	UL CSA CE RCM Merchant Navy EAC TÜV
Standards	CSA C22.2 No 61010-2-201 EN/IEC 61000-6-5 EN/IEC 61131-2 UL 61010-2-201 IEC 61850-3
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-25...60 °C
Relative humidity	5...95 % at 55 °C without condensation
Protective treatment	Conformal coating
Environmental characteristic	Gas resistant class Gx Gas resistant class 3C4 Dust resistant class 3S4 Sand resistant class 3S4 Salt resistant level 2 Mold growth resistant class 3B2 Fungal spore resistant class 3B2
Operating altitude	0...2000 m 2000...5000 m with derating factor

Offer Sustainability

Sustainable offer status	Green Premium product
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

Contractual warranty

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