



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 Redundancy information Redundancy test Uptime duration Remaining lifetime
Primary voltage	125 V
Supply circuit type	DC
Secondary power	18 W 3.3 V DC at -25...70 °C I/O module logic power supply 40 W 24 V DC at -25...70 °C I/O module power supply and processor if 3.3 V not loaded

Complementary

Primary voltage limit	100...150 V
Input current	600 mA 125 V
Inrush current	60 A 125 V
I ² t on activation	2.5 A ² .s 125 V
It on activation	0.09 A.s 125 V
MTBF reliability	830000 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	1.67 A 24 V DC I/O module power supply and processor 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) 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
Net weight	0.61 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
IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product certifications	CE[RETURN]UL[RETURN]CSA[RETURN]RCM[RETURN]EAC[RETURN]Merchant Navy

Standards	EN 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, interface type 1 and type 2 EN/IEC 61850-3, location G
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	-40...85 °C
Ambient air temperature for operation	-25...70 °C
Relative humidity	10...95 % without condensation
Protective treatment	Conformal coating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.0 cm
Package 1 Width	18.0 cm
Package 1 Length	25.0 cm
Package 1 Weight	740.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.44 kg

Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins