



Main

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| Range of product | Modicon X80 |
| Product or component type | Power supply module |
| Backplane compatibility | All backplane |
| Advanced diagnostics available via network | Temperature sensing Redundancy test Uptime duration Redundancy information Remaining lifetime |
| Primary voltage | 100...240 V |
| Supply circuit type | AC |
| Secondary power | 18 W 3.3 V DC at 0...60 °C I/O module logic power supply 40 W 24 V DC at 0...60 °C I/O module power supply and processor if 3.3 V not loaded |

Complementary

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| Primary voltage limit | 85...264 V |
| Network frequency | 50/60 Hz |
| Network frequency limits | 47...63 Hz |
| Apparent power | 0.07 kVA |
| Input current | 0.52 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 |
| 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 | 5.5 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 | Presence of voltages (OK): 1 LED (green) Redundancy OK: 1 LED (green) Power supply status: 1 LED (green) |
| 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 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

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| 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 2012/19/EU - WEEE directive |
| Product certifications | CE RCM UL Merchant Navy CSA EAC |
| Standards | EN 61131-2 EN 61000-6-4 EN 61000-6-2 EN 61010-2-201 |
| 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 Conformal coating Humiseal 1A33 |
| Operating altitude | 0...2000 m 2000...5000 m with derating factor |

Offer Sustainability

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|----------------------------|---|
| 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 | Download RoHS China 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 |