# SIEMENS

**Data sheet**            **6MF2802-2AA00**



Figure similar

CP-8022 MASTER MODULE WITH GPRS incl. SD-Card 2xRJ45 Ethernet 1xRJ45 RS-232 1x Terminal RS-485 1x Terminal RS-232 or 485 Operation temperature: -40 to +70°C

| General technical data | |
|---|---|
| consumed active power / rated value / maximum | 7 000 mW |
| surge voltage / rated value | 4 kV |
| surge voltage resistance | 2.5 kV |
| processor clock frequency | 400 MHz |
| storage capacity / of the RAM | 32 Mbyte |

| Product details | |
|---|---|
| time resolution | 1 ms |
| number of local IO modules / maximum | 8 |

| Measuring functions | |
|---|---|
| sampling interval | 10 ms |

| Supply voltage | |
|---|---|
| type of voltage / of the supply voltage | AC/DC |

| Inputs / Outputs | |
|---|---|
| number of digital inputs | 0 |
| number of digital outputs | 0 |

| Communication | |
|---|---|
| protocol / is supported / Modbus RTU slave | Yes |
| protocol / is supported / PROFIBUS DP slave | No |
| type of mobile wireless service / is supported / GPRS | Yes |
| number of ports / of the Ethernet interface | 2 |
| number of interfaces / serial | 3 |

| Cybersecurity | |
|---|---|
| type of communication security / Secure 104 according to IEC 62351-3 | Yes |
| type of access control / role-based access control (RBAC) | Yes |
| type of system monitoring / according to SNMP | Yes |
| product function / logging via Security Eventlog | Yes |
| service / as web server / HTTPS | Yes |
| product function / firmware identifier | Yes |

| Time synchronization | |
|---|---|
| time synchronization / via telecontrol protocol | Yes |
| time synchronization / via NTP/SNTP | Yes |
| time synchronization / via IRIG-B | No |

| Mechanical Design | |
|---|---|
| width | 30 mm |
| height | 132 mm |
| depth | 124 mm |
| product feature / with display | No |

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| | |
|---|---|
| fastening method / standard rail mounting | Yes |
| fastening method / wall mounting | No |
| fastening method / rack mounting | No |
| type of electrical connection | screw-type terminals |
| connectable conductor cross-section | 0.2 ... 2.5 mm² |
| material / of the enclosure | plastic |
| product feature / plug-in terminal blocks | Yes |
| product function / with function display | Yes |
| product function / status display | Yes |

## Degree of protection / protection class

| | |
|---|---|
| operating resource protection class | II |
| degree of pollution | 2 |
| protection class IP / on the front | IP 40 |

## Environmental conditions

| | |
|---|---|
| ambient temperature / during operation | -40 ... +70 °C |
| ambient temperature / during storage | -40 ... +85 °C |
| relative humidity | 5 ... 95 % |
| mounting height in relation to mean sea level / maximum | 3 000 m |
| air pressure / maximum | 106 kPa |

## Approval certification

| | |
|---|---|
| certificate of suitability / CE marking | Yes |
| certificate of suitability / UL approval | Yes |

## Further information

**Information- and Downloadcenter (catalogues, leaflets,...)**
http://www.siemens.com/energy-automation
**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6MF2802-2AA00
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/6MF2802-2AA00
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6MF2802-2AA00
**Tender specifications**
http://www.siemens.com/specifications

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