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## Data sheet 6NH9720-3AA01-0XX0

**product type designation**

**MD720 GSM/GPRS, 2G**

********** spare part ********* modem MD720; GSM/GPRS, 2G mobile radio modem with RS-232 interface; for GSM services CSD, GPRS, SMS; quadband GSM; AT command interface; Observe national approvals! automatic GPRS connection setup; including gender changer for RS-232/PPI adapter.




| | |
|---|---|
| **transfer rate** | |
| transfer rate | |
| ● for GSM transmission | 9600 bit/s |
| ● for GPRS transmission / with downlink / maximum | 54 kbit/s |
| ● for GPRS transmission / with uplink / maximum | 42 kbit/s |
| **interfaces** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 1 |
| ● for internal network | 1 |
| ● for external network | 1 |
| number of electrical connections | |
| ● for external antenna(s) | 1 |
| ● for power supply | 1 |
| type of electrical connection | |
| ● for internal network | 9 pin Sub D |
| ● for external network | SMA antenna socket (50 ohms) |
| ● for external antenna(s) | SMA antenna socket (50 ohms) |
| ● for power supply | 4-pole terminal strip |
| **WAN connection** | |
| type of wireless network / is supported | GSM |
| type of mobile wireless service / is supported | GPRS |
| operating frequency / for GSM transmission | 850 MHz, 900 MHz, 1800 MHz, 1900 MHz |
| type of GPRS time slot method / multislot class 10 | Yes |
| **supply voltage, current consumption, power loss** | |
| supply voltage / rated value | 12 ... 30 |
| consumed current | |
| ● at rated supply voltage / maximum | 355 mA |
| power loss [W] | |
| ● typical | 3.4 W |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -20 ... +60 °C |
| ● during storage | -25 ... +85 °C |
| relative humidity / at 25 °C / during operation / maximum | 95 % |
| protection class IP | IP30 |
| **design, dimensions and weights** | |
| design | compact |
| depth | 90 mm |
| height | 100 mm |


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| | |
|---|---|
| width | 30 mm |
| net weight | 150 g |
| fastening method | |
| ● 35 mm top hat DIN rail mounting | Yes |
| ● wall mounting | Yes |
| **product functions / management, configuration, engineering** | |
| product function | |
| ● CLI | No |
| ● web-based management | No |
| ● MIB support | No |
| protocol / is supported | |
| ● Telnet | No |
| ● HTTP | No |
| type of configuration | AT commands |
| **standards, specifications, approvals** | |
| standard | |
| ● for EMC | EN 61000-6-2, EN 61000-6-4, EN 55022, EN 55024, EN 301 489-1, EN 301 489-7 |
| ● for hazardous zone | II 3 G Ex nA IIC T4 Gc |
| ● for safety / from CSA and UL | UL 60950 |
| ● for emitted interference | EN 55022, EN 61000-6-4 |
| ● for interference immunity | EN 55024, EN 61000-6-2 |
| certificate of suitability | CE conformance declaration |
| ● CE marking | Yes |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | http://www.siemens.com/snst |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Mobile radio national approval | www.siemens.de/mobilfunkzulassungen |
| ● to website: Industrial communication | http://www.siemens.com/simatic-net |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

**Approvals / Certificates**

| General Product Approval | For use in hazardous locations | Radio Equipment Type Approval Certificate | Environment |
|---|---|---|---|
| CCC, EG-Konf. | FM | Miscellaneous | Confirmation |

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