SIEMENS

Data sheet 6NH9720-3AA01-0XX0

product type designation	**MD720 GSM/GPRS, 2G**
	********** spare part ********* modem MD720; GSM/GPRS, 2G mobile radio modem with RS232 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.



product brand name	SCALANCE
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

Subject to change without notice
© Copyright Siemens

depth	90 mm
height	100 mm
width	30 mm
net weight	150 g
fastening method	
● 35 mm 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	https://support.industry.siemens.com/cs/ww/en/view/109766358
● 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	https://www.siemens.com/simatic-net
● to website: Image database	https://www.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 hazard-ous locations	Radio Equipment Type Approval Certificate	
CCC	CE EG-Konf.	China RoHS	FM	Miscellaneous	Miscellaneous

© Copyright Siemens

Radio Equipment Type Approval Certificate

Miscellaneous

last modified: 7/16/2026

Subject to change without notice
© Copyright Siemens