SIEMENS

Product type designation	**MODEM MD720 GSM/GPRS, 2G**

MODEM MD720; GSM/GPRS, 2G- MOBILE RADIO MODEM WITH RS232- INTERFACE; FOR GSM- SERVICES CSD, GPRS, SMS; QUADBAND-GSM; AT COMMAND INTERFACE; PLEASE NOTE NATIONAL APPROVALS! AUTOM. GPRS CONNECTION; INCL. GENDER CHANGER FOR RS232/PPI-ADAPTER;

Transmission rate

• Transfer rate / for GSM transmission	9600 bit/s
• Transfer rate / for GPRS transmission / with downlink / maximum	54 kbit/s
• Transfer rate / 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
• 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 mobile 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	24 V
Supply voltage / Rated value	12 ... 30
Type of voltage / of the supply voltage	DC
Consumed current / maximum	355 mA
Active power loss	
• typical	3.4 W

Permitted 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 weight

Design	compact
Depth	90 mm
Height	100 mm
Width	30 mm
Net weight	150 g
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes

Product functions / management, configuration

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
● Railway application in accordance with EN 50155	No

Further Information / Internet Links

Internet-Link

● to website: Selector for cables and connectors	http://www.siemens.com/snst
● to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
● to website: Mobile radio national approval	www.siemens.de/mobilfunkzulassungen
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx Download Manager	http://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 security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)
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