

product type designation



MD720 GSM/GPRS, 2G

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; incl. 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 / multislots 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	
• 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
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depth	90 mm
height	100 mm
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: 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/industry/infocenter
• to website: Selection guide for cables and connectors	http://www.siemens.com/snst
• 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	
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