

product type designation



SIPLUS ST7 MD720 2G

SIPLUS NET MD720 2G based on 6NH9720-3AA01-0XX0 with conformal coating, -25...+70 °C, 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 / 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
supply voltage / 1 / rated value	24 V
• type of voltage / 1 / of the supply voltage	DC

ambient conditions

ambient temperature	
• in horizontal mounting position / during operation	70 ... -40 °C; Startup @ -25 °C
• during storage and transport	85 ... -25 °C
installation altitude / at height above sea level / maximum	5000 m
ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
relative humidity / with condensation / according to IEC 60068-	100 %; RH including condensation/frost (no commissioning when condensation

2-38 / maximum	is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances - conformity according to EN 60721-3-3 - conformity according to EN 60721-3-6	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances - conformity according to EN 60721-3-3 - conformity according to EN 60721-3-6	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); *
resistance to mechanically active substances - conformity according to EN 60721-3-3 - conformity according to EN 60721-3-6	Yes; Class 3S4 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; *
environmental category / according to IEC 60721 / note	* The supplied plug covers must remain in place on the unused interfaces during operation!
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating protection against pollution according to EN 60664-3	Yes; protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; conformal coating, class A
design, dimensions and weights	
design	compact
depth	90 mm
height	100 mm
width	30 mm
net weight	150 g
fastening method 35 mm top hat DIN rail mounting - wall mounting	Yes Yes
product functions / management, configuration, engineering	
product function - CLI - web-based management - MIB support	No No No
protocol / is supported - Telnet - HTTP	No No
type of configuration	AT commands
standards, specifications, approvals	
standard - for EMC - for hazardous zone - for safety / from CSA and UL - for emitted interference - for interference immunity	EN 61000-6-2, EN 61000-6-4, EN 55022, EN 55024, EN 301 489-1, EN 301 489-7 II 3 G Ex nA IIC T4 Gc UL 60950 EN 55022, EN 61000-6-4 EN 55024, EN 61000-6-2
certificate of suitability CE marking	CE conformance declaration Yes
further information / internet links	
internet link - to website: Selection guide for cables and connectors - to web page: selection aid TIA Selection Tool - to website: Mobile radio national approval - to website: Industrial communication - to web page: SiePortal - to website: Image database - to website: CAx-Download-Manager - to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/mobile-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information

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Approvals / Certificates

General Product Approval

[Miscellaneous](#)

[Manufacturer Declaration](#)



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