

product type designation

SIPLUS NET TIM 3V-IE DNP3

SIPLUS NET TIM 3V-IE DNP3 for medial exposure -25...+70°C
based on 6NH7803-3BA00-0AA0 communication module for
SIMATIC S7-300 with an RS232 interface



Figure similar

interfaces	
number of interfaces / acc. to Industrial Ethernet	1
number of electrical connections	
<ul style="list-style-type: none"> for power supply 	1
type of electrical connection	
<ul style="list-style-type: none"> for power supply 	2-pole plugable terminal block
design of the removable storage / C-PLUG	No
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
consumed current	
<ul style="list-style-type: none"> from external supply voltage / at DC / at 24 V / maximum 	0.2 A
power loss [W]	5.8 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-25 ... +70 °C

<ul style="list-style-type: none"> during storage during transport 	-40 ... +70 °C -40 ... +70 °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 <ul style="list-style-type: none"> with condensation / acc. to IEC 60068-2-38 / maximum 	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances <ul style="list-style-type: none"> conformity acc. to EN 60721-3-3 conformity acc. 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 <ul style="list-style-type: none"> conformity acc. to EN 60721-3-3 conformity acc. to EN 60721-3-6 	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. Yes
resistance to mechanically active substances <ul style="list-style-type: none"> conformity acc. to EN 60721-3-3 conformity acc. to EN 60721-3-6 	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation. Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
coating / for equipped printed circuit board / acc. 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 / acc. 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 acc. to IPC-CC-830A	Yes; Conformal coating, class A
protection class IP	IP20

design, dimensions and weights

module format	Compact module S7-300 single width
width	40 mm
height	125 mm
depth	120 mm
net weight	0.25 kg

product features, product functions, product components / general

number of units	
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- note

Number of TIMs per S7-300: 1

performance data / S7 communication

number of possible connections / for S7 communication

- maximum
- with PG connections / maximum

3; only via LAN
2

performance data / telecontrol

suitability for use

- node station
- substation
- TIM control center

Yes
Yes
Yes

protocol / is supported

- DNP3

Yes

product function / data buffering if connection is aborted

Yes; 64,000 data points with one master

product functions / management, configuration, engineering

configuration software

- required

SINAUT ST7 ES

further information / internet-Links

Internet-Link

- to website: Selector TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>
<http://www.siemens.com/simatic-net>
<http://www.siemens.com/industrial-controls/mall>
<http://www.siemens.com/automation/net/catalog>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<http://support.automation.siemens.com>

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 comprehensive industrial security concept. Siemens products and solutions undergo continuous development with this factor in mind. 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. Products used from other manufacturers should also be taken into account here. You can find more information on Industrial Security at <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for our product-specific newsletter. You can find more information on this at <http://support.automation.siemens.com>. Version 3.4
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