

### product type designation



Figure similar

### TIM 3V-IE DNP3

\*\*\*spare part\*\*\* SIPLUS NET TIM 3V-IE DNP3 based on 6NH7803-3BA00-0AA0 with conformal coating, -25...+70 °C, communications module for SIMATIC S7-300 with an RS232 interface

Technical Product Detail Page

<https://l.siemens.com/1P6AG1803-3BA00-7AA0>

### interfaces

number of interfaces / according to Industrial Ethernet	1
number of electrical connections <ul style="list-style-type: none"> <li>• for power supply</li> </ul>	1
type of electrical connection <ul style="list-style-type: none"> <li>• for power supply</li> </ul>	2-pole plugable terminal block
design of the removable storage <ul style="list-style-type: none"> <li>• C-PLUG</li> </ul>	No

### supply voltage, current consumption, power loss

type of voltage / of the supply voltage	DC
consumed current <ul style="list-style-type: none"> <li>• from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.2 A
power loss [W]	5.8 W

### ambient conditions

ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-25 ... +70 °C -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"> <li>• with condensation / according to IEC 60068-2-38 / maximum</li> </ul>	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"> <li>• conformity according to EN 60721-3-3</li> <li>• conformity according to EN 60721-3-6</li> </ul>	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"> <li>• conformity according to EN 60721-3-3</li> <li>• conformity according to EN 60721-3-6</li> </ul>	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"> <li>• conformity according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place

<ul style="list-style-type: none"> <li>conformity according to EN 60721-3-6</li> </ul>	<p>over the unused interfaces during operation.</p> <p>Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.</p>
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
protection class IP	IP20
<b>design, dimensions and weights</b>	
module format	Compact module S7-300 single width
width	40 mm
height	125 mm
depth	120 mm
net weight	0.25 kg
<b>product features, product functions, product components / general</b>	
number of units <ul style="list-style-type: none"> <li>note</li> </ul>	Number of TIMs per S7-300: 1
<b>performance data / S7 communication</b>	
number of possible connections / for S7 communication <ul style="list-style-type: none"> <li>maximum</li> <li>with PG connections / maximum</li> </ul>	3; only via LAN 2
<b>performance data / telecontrol</b>	
suitability for use <ul style="list-style-type: none"> <li>node station</li> <li>substation</li> <li>TIM control center</li> </ul>	Yes Yes Yes
protocol / is supported <ul style="list-style-type: none"> <li>DNP3</li> </ul>	Yes
product function / data buffering if connection is aborted	Yes; 64,000 data points with one master
<b>product functions / management, configuration, engineering</b>	
configuration software <ul style="list-style-type: none"> <li>required</li> </ul>	SINAUT ST7 ES
<b>further information / internet links</b>	
internet link <ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://siemens.com/cax">https://siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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