



TIM 3V-IE DNP3 communication module for SIMATIC S7-300 with an RS232 interface for DNP3 communication via a classic WAN and an RJ45 interface for DNP3 communication via a IP-based network (WAN or LAN)

transfer rate	
transfer rate	
<ul style="list-style-type: none"> <li>for Industrial Ethernet</li> </ul>	10 ... 100 Mbit/s
<ul style="list-style-type: none"> <li>acc. to RS 232</li> </ul>	9600 ... 38400 bit/s
interfaces	
number of interfaces / acc. to Industrial Ethernet	1
number of electrical connections	
<ul style="list-style-type: none"> <li>for external data transmission / acc. to RS 232</li> </ul>	1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	1
type of electrical connection	
<ul style="list-style-type: none"> <li>of Industrial Ethernet interface</li> </ul>	RJ45 port
type of electrical connection	
<ul style="list-style-type: none"> <li>at interface 1 / for external data transmission</li> </ul>	9 pin Sub-D-connector (RS232)
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	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
supply voltage	24 V
supply voltage	20.4 ... 28.8 V
supply voltage / external / at DC / rated value	24 V
supply voltage / external / at DC / rated value	20.4 ... 28.8 V
consumed current	
<ul style="list-style-type: none"> <li>from backplane bus / at DC / at 24 V / maximum</li> </ul>	0.2 A
<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
product extension / optional / backup battery	No
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	0 ... 60 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
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
<b>product features, product functions, product components / general</b>	
number of units • note	Number of TIMs per S7-300: 1
wire length • with RS 232 interface / maximum	6 m
<b>performance data / S7 communication</b>	
number of possible connections / for S7 communication • maximum • with PG connections / maximum • with OP connections / maximum	3; only via LAN 2 1
service • PG/OP communication	Yes
<b>performance data / telecontrol</b>	
suitability for use • node station • substation • TIM control center	Yes Yes Yes
protocol / is supported • DNP3 • SINAUT ST1 protocol • SINAUT ST7 protocol • Modbus RTU	Yes No No Yes
product function / data buffering if connection is aborted	Yes; 64,000 data points with one master
number of DNP3 masters • for Ethernet / maximum • with RS 232 interface / maximum	8 1
number of Modbus RTU slaves / maximum	1
<b>product functions / management, configuration, engineering</b>	
configuration software • required	SINAUT ST7 ES
storage location / of TIM configuration data	on the CPU or TIM
<b>further information / internet-Links</b>	
Internet-Link • 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	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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