

SIEMENS

Product data sheet

6NH7800-3BA00


SINAUT ST7,
TIM 3V-IE COMMUNICATION MODULE FOR
SIMATIC S7-300 WITH A RS232-INTERFACE FOR
SINAUT COMMUNICATION VIA A CLASSIC WAN
AND A RJ45 INTERFACE FOR SINAUT
COMMUNICATION VIA AN IP-BASED NETWORK
(WAN OR LAN)

Transmission rate

Transmission rate

- | | |
|-----------------------------------|--------------------|
| • with Industrial Ethernet | 10 ... 100 Mbit/s |
| • [nicht versorgt - gemäß RS 232] | 50 ... 38400 bit/s |

Interfaces

Number of interfaces / according to Industrial Ethernet 1

Number of electrical connections

- | | |
|--|---|
| • for external data transmission / in accordance with RS 232 | 1 |
| • for power supply | 1 |

design of the removable storage / C-PLUG No

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage DC

Supply voltage 24 V

Supply voltage 20.4 ... 28.8 V

Consumed current

- | | |
|---|-------|
| • from backplane bus / at 24 V / for DC / maximum | 0.2 A |
|---|-------|

• from external supply voltage / at 24 V / at DC / maximum	0.2 A
Resistive loss	5.8 W
Product expansion / optional / backup battery	No
Permitted ambient conditions	
Ambient temperature	
• during operating	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.25 kg
Product properties, functions, components / general	
Cable length	
• with RS232 interface / maximum	6 m
Performance data / S7 communication	
Number of possible connections / [nicht versorgt - für S7-Kommunikation]	
• [nicht versorgt - maximal]	8
• with PG connections / maximum	2
• with OP connections / maximum	8
Service	
• SINAUT ST7 through S7 communication	Yes
• PG-/OP-communication	Yes
Performance data / multi-protocol mode	
Number of active connections / [nicht versorgt - bei Multiprotokollbetrieb]	12
Performance data / telecontrol	
Acceptability for application	
• [nicht versorgt - TIM-Knotenstation]	No

• [nicht versorgt - TIM-Station]	Yes
• [nicht versorgt - TIM-Zentrale]	No
Protocol / will be supported	
• TCP/IP	Yes
• DNP3	No
• [nicht versorgt - Protokoll SINAUT ST1]	Yes
• [nicht versorgt - Protokoll SINAUT ST7]	Yes
Product function / data buffering if connection is aborted	Yes
Storage capacity / of user memory of S7 CPU	
• for TD7onCPU mode data blocks on CPU / required	20 Kibyte
• for TD7onTIM mode data blocks on TIM / required	0 Kibyte
Product property / retentive message frame memory	No
Transmission format	
• for SINAUT ST1 protocol with polling / 11 bit	Yes
• for SINAUT ST1 protocol with spontaneous / 10 bit or 11 bit	Yes
• for SINAUT ST7 protocol with multi-master polling / 10 bit	Yes
• for SINAUT ST7 protocol with polling or spontaneous / 10 bit or 11 bit	Yes
Hamming distance	
• for SINAUT ST1 protocol	4
• for SINAUT ST7 protocol	4
Product functions / management, configuration	
Configuration software	
• for CPU configuring / required / SINAUT TD7 block library for CPU	Yes
• for PG configuring / required / SINAUT ST7 configuration software for PG	Yes
Product functions / security / Virtual Private Network	
Suitability for installation / [nicht versorgt - Virtual Privat Network]	Yes
Product function	
• password protection for VPN	Yes
• MSC client via GPRS modem with MSC capability	Yes

Protocol / is supported / MSC protocol	No
Number of possible connections	
• as MSC client / with VPN connection	1
• as MSC server / with VPN connection	0
Key length / for MSC / with Virtual Private Network	128 bit
Type of authentication / with Virtual Private Network / PSK	Yes
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