SIEMENS

Data sheet   6NH7800-4AA40

Product type designation

TIM 44

SINAUT ST7, TIM 44 COMMUNICATIONS PROCESSOR FOR
SIMATIC S7-300/S7-400 WITH MPI INTERFACE WITH
RS232/RS485 INTERFACE FOR EXT. MODEM/RADIO DEVICE
WITH INT. MODEM MD4 FOR EURO-ISDN

Transmission rate	
Transfer rate	
• acc. to RS 232	50 ... 38400 bit/s

Interfaces	
Number of interfaces / acc. to Industrial Ethernet	0
Type of electrical connection	
• for power supply	4-pole terminal block

Supply voltage, current consumption, power loss	
Supply voltage	24 V
Supply voltage / external / at DC / Rated value	24 V
Consumed current	
• from backplane bus / at DC / at 5 V / typical	0.06 A
• from backplane bus / at DC / at 24 V / maximum	0.06 A
Power loss [W]	12.3 W

Permitted ambient conditions	
Ambient temperature	

• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Protection class IP	IP20

Design, dimensions and weight

Module format	Compact module S7-300 double width
Width	80 mm
Height	125 mm
Depth	120 mm
Net weight	0.3 kg

Performance data / BACnet

Storage capacity / of S7 CPU RAM / required	20 Kibyte

Performance data / telecontrol

Suitability for use	
• Node station	Yes
• substation	Yes
• TIM control center	Yes
Protocol / is supported	
• TCP/IP	No
• SINAUT ST1 protocol	Yes
• SINAUT ST7 protocol	Yes
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
Operating mode for scanning of data transmission	
• with dedicated line/radio link / with SINAUT ST1 protocol	Polling, polling with time slot procedure
• with dedicated line/radio link / with SINAUT ST7 protocol	Polling, polling with time slot procedure, multi-master polling with time slot procedure
• with dial-up network / with SINAUT ST1 protocol	spontaneous
• with dial-up network / with SINAUT ST7 protocol	spontaneous
Configuration software	
• for CPU configuring / required / SINAUT TD7 block library for CPU	Yes

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• for PG configuring / required / SINAUT ST7 configuration software for PG	Yes

Accessories

Further Information / Internet Links

Internet-Link

• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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