SIEMENS

Product type designation	TIM 43D
	SINAUT ST7, TIM 43 D COMMUNICATIONS PROCESSOR FOR SIMATIC S7-300/S7-400 WITH MPI INTERFACE WITH RS232/RS485 INTERFACE FOR EXT. MODEM/RADIO DEVICE WITH INT. MODEM MD3 FOR ANALOG SWITCHED NETWORKS INCL. DCF 77 RECEIVER MODULE

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

• 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

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 holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. 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. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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