6ES7414-5HM06-0AB0

Data sheet

SIMATIC S7-400H, CPU 414-5H, central processing unit for S7-400H and S7-400F/FH, 5 interfaces: 1x MPI/DP, 1x DP, 1x PN and 2 for sync modules, 4 MB memory (2 MB data/2 MB program),



General information	
Product type designation	CPU 414-5H PN/DP
HW functional status	1
Firmware version	V6.0
Engineering with	
Programming package	As of STEP 7 V5.5 SP2 with HF1
CiR – Configuration in RUN	
CiR synchronization time, basic load	100 ms
CiR synchronization time, time per I/O byte	0 μs
Supply voltage	
Rated value (DC)	
• 24 V DC	No; Power supply via system power supply
Input current	
from backplane bus 5 V DC, typ.	1.6 A
from backplane bus 5 V DC, max.	1.9 A
from backplane bus 24 V DC, max.	150 mA; 150 mA per DP interface
from interface 5 V DC, max.	90 mA; At each DP interface

Power loss	
Power loss, typ.	7.5 W
Memory	
Type of memory	other
Work memory	
• integrated	4 Mbyte
• integrated (for program)	2 Mbyte
• integrated (for data)	2 Mbyte
• expandable	No
Load memory	
expandable FEPROM	Yes; with Memory Card (FLASH)
• expandable FEPROM, max.	64 Mbyte
• integrated RAM, max.	512 kbyte
expandable RAM	Yes
• expandable RAM, max.	64 Mbyte
Backup	
• present	Yes
with battery	Yes; all data
without battery	No
Battery	
Backup battery	
Backup current, typ.	180 μA; Valid up to 40°C
Backup current, max.	1 000 µA
Backup time, max.	Dealt with in the module data manual with the secondary
,,	conditions and the factors of influence
 Feeding of external backup voltage to CPU 	5 V DC to 15 V DC
CPU processing times	
for bit operations, typ.	18.75 ns
for word operations, typ.	18.75 ns
for fixed point arithmetic, typ.	18.75 ns
for floating point arithmetic, typ.	37.5 ns
CPU-blocks	
DB	
Number, max.	6 000; Number range: 1 to 16000
• Size, max.	64 kbyte
FB	
Number, max.	3 000; Number range: 0 to 7999
• Size, max.	64 kbyte
FC	
Number, max.	3 000; Number range: 0 to 7999

• Size, max.	64 kbyte
ОВ	
Number, max.	see instruction list
• Size, max.	64 kbyte
 Number of free cycle OBs 	1; OB 1
 Number of time alarm OBs 	4; OB 10-13
 Number of delay alarm OBs 	4; OB 20-23
 Number of cyclic interrupt OBs 	4; OB 32-35
 Number of process alarm OBs 	4; OB 40-43
 Number of DPV1 alarm OBs 	3; OB 55-57
 Number of startup OBs 	2; OB 100, 102
 Number of asynchronous error OBs 	9; OB 80-88
 Number of synchronous error OBs 	2; OB 121, 122
Nesting depth	
• per priority class	24
 additional within an error OB 	1
Counters, timers and their retentivity	
S7 counter	
Number	2 048
Retentivity	
— adjustable	Yes
— lower limit	0
— upper limit	2 047
— preset	Z 0 to Z 7
Counting range	
— lower limit	0
— upper limit	999
IEC counter	
• present	Yes
• Type	SFB
• Number	Unlimited (limited only by RAM capacity)
S7 times	
Number	2 048
Retentivity	
— adjustable	Yes
— lower limit	0
— upper limit	2 047
— preset	No times retentive
Time range	
— lower limit	10 ms
— upper limit	9 990 s

IEC timer	
• present	Yes
• Type	SFB
• Number	Unlimited (limited only by RAM capacity)
Data areas and their retentivity retentive data area in total	Total working and load memory (with backup battery)
Flag	Total working and load memory (with backup battery)
• Number, max.	8 192 byte
, and the second	Yes
Retentivity available	
Retentivity preset	MB 0 to MB 15
Number of clock memories	8; in 1 memory byte
Local data	
adjustable, max.	16 kbyte
• preset	8 kbyte
Address area	
I/O address area	
• Inputs	8 kbyte
Outputs	8 kbyte
Process image	
Inputs, adjustable	8 kbyte
Outputs, adjustable	8 kbyte
Inputs, default	256 byte
Outputs, default	256 byte
• consistent data, max.	244 byte
Access to consistent data in process image	Yes
Subprocess images	
Number of subprocess images, max.	15
Digital channels	
• Inputs	65 536
— of which central	65 536
Outputs	65 536
— of which central	65 536
Analog channels	
• Inputs	4 096
— of which central	4 096
Outputs	4 096
·	4 096
— of which central	4 000
Hardware configuration	
Number of expansion units, max.	21
connectable OPs	63
Multicomputing	No

Interface modules	
 Number of connectable IMs (total), max. 	6
 Number of connectable IM 460s, max. 	6
 Number of connectable IM 463s, max. 	4; Single mode only
Number of DP masters	
• integrated	2
• via CP	10; CP 443-5 Extended
 Mixed mode IM + CP permitted 	No
• via interface module	0
Number of IO Controllers	
• integrated	1
• via CP	0
Number of operable FMs and CPs (recommended)	
• FM	See manual Automation System S7-400H fault-tolerant systems.
	Limited by number of slots and number of connections
• CP, PtP	See manual Automation System S7-400H fault-tolerant systems.
- PROFINIO LEU LOR	Limited by number of slots and number of connections
PROFIBUS and Ethernet CPs	14; Of which max. 10 CP as DP master
Slots	
• required slots	2
ime of day	
Clock	
Hardware clock (real-time)	Yes
 retentive and synchronizable 	Yes
Resolution	1 ms
Resolution	1 ms
 Deviation per day (buffered), max. 	1.7 s; Power off
 Deviation per day (unbuffered), max. 	8.6 s; Power on
Operating hours counter	
Number	16
Number/Number range	0 to 15
Range of values	SFCs 2, 3 and 4: 0 to 32767 hours SFC 101: 0 to 2^31 - 1 hours
Granularity	1 h
• retentive	Yes
Clock synchronization	
• supported	Yes
• to MPI, master	Yes
	Yes
• to MPI, slave	163
to MPI, slaveto DP, master	Yes
• to DP, master	
	Yes

It me difference in system when synchronizing via Iterarces Interfaces Number of RS 485 interfaces Interface Ype Interface type Interface type Interface type Physics RS 485 / PROFIBUS + MPI Isolated Yes Power supply to interface (15 to 30 V DC), max. Number of connection resources Interface Ype Protocols Interface Ype Interface Ype Protocols Interface Ype Protocols Interface Ype Interface Ype Protocols Interface Ype Protocols Interface Ype Interface Ype Protocols Interface Ype Interface Ype Interface Ype Interface	on Ethernet via NTP	Yes; As client
Interfaces Number of RS 485 interfaces Number of RS 485 interfaces 2 ; Fiber-optic interface Interface type Physics RS 485 / PROFIBUS + MPI Isolated Power supply to interface (15 to 30 V DC), max. Number of connection resources • MPI • PROFIBUS DP master • PROFIBUS DP slave No MPI • Number of connections • Transmission rate, max. - S7 communication - S7 communication, as server • Number of connections, max. • Number of connections, as client - S7 communication, as server • Number of connections, as client - S7 communication, as server • Number of connections, as client - S7 communication, as server • Number of connections, as client - S7 communication, as server • Number of connections, as client - S7 communication, as server - S7 communication, as server • Number of connections, max. • Number of connections, max. • Number of connections, as server - S7 communication, as client - S7 communication, as client - S7 communication, as server • Number of connections, max. • Number of DP slaves, max. 32 Services - PG(OP communication - S7 basic communication - S7 co	Time difference in system when synchronizing via	
Number of RS 485 interfaces 2; Fiber-optic interface 1. Interface 1. Interface 2. Fiber-optic interface 3. Interface 4. Interface type 4. Physics 5. RS 485 / PROFIBUS + MPI 5. Interface (15 to 30 V DC), max. 1. So mA 1. Number of connection resources 4. Prover supply to interface (15 to 30 V DC), max. 1. So mA 1. Number of connection resources 4. MPI: 32, DP: 16 1. PROFIBUS DP master 5. PROFIBUS DP master 6. PROFIBUS DP slave 7. Number of connections 7. Transmission rate, max. 7. It a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 1. Transmission rate, max. 7. Services 7. PG/OP communication 7. Routing 7. Global data communication 7. S7 basic communication 7. S7 communication 7. S7 communication, as server 7. S7 communication, as server 7. Number of connections, max. 7. Connection resources on the line is reduced by 1 1. It a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 1. Transmission rate, max. 1. St Ta diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 1. Transmission rate, max. 1. St Ta diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 1. Transmission rate, max. 1. St Mbit/s 1. The diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 1. Transmission rate, max. 1. Services 1. PG/OP communication 1. No 1. Sr Dasic communi	• Ethernet, max.	10 ms; Via NTP
Number of RS 485 interfaces 2; Fiber-optic interface Interface Interface Type Integrated Physics RS 485 / PROFIBUS + MPI Isolated Yes Power supply to interface (15 to 30 V DC), max. 150 mA Number of connection resources Protocols • MPI Yes • PROFIBUS DP master Yes • PROFIBUS DP slave No MPI • Number of connections 22; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 • Transmission rate, max. 12 Mbit/s Services — PG/OP communication No — S7 basic communication Yes — S7 communication, as server Yes PROFIBUS DP master • Number of connections 2 diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 • Transmission rate, max. 12 Mbit/s Services — PG/OP communication No — S7 basic communication No — S7 communication Yes — S7 communication, as server Yes PROFIBUS DP master • Number of connections, max. 16; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 1 Mit a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 1 Transmission rate, max. 12 Mbit/s • Transmission rate, max. 12 Mbit/s • Number of DP slaves, max. 32 Services — PG/OP communication Yes — PG/OP communication Yes — PG/OP communication No — S7 basic communication No — S7 com	• MPI, max.	200 ms
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PROFIBUS DP master Number of connections, max. 16; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 Transmission rate, max. Number of DP slaves, max. Services PG/OP communication Pauting Global data communication No S7 basic communication No S7 communication Yes	 S7 communication, as client 	Yes
 Number of connections, max. 16; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 Transmission rate, max. Number of DP slaves, max. Services — PG/OP communication — Routing — Global data communication — S7 basic communication — S7 communication Yes 	 S7 communication, as server 	Yes
connection resources on the line is reduced by 1 • Transmission rate, max. • Number of DP slaves, max. 32 Services — PG/OP communication — Routing — Global data communication — S7 basic communication — S7 communication Yes No Yes	PROFIBUS DP master	
 Number of DP slaves, max. Services — PG/OP communication — Routing — Global data communication — S7 basic communication — S7 communication — S7 communication Yes Yes Yes Yes 	Number of connections, max.	
Services PG/OP communication Yes Routing Yes Global data communication No S7 basic communication No S7 communication Yes	 Transmission rate, max. 	12 Mbit/s
 — PG/OP communication — Routing — Global data communication — S7 basic communication — S7 communication — Yes No — S7 communication Yes 	 Number of DP slaves, max. 	32
 Routing Global data communication S7 basic communication No S7 communication Yes 	Services	
 Global data communication S7 basic communication No S7 communication Yes 	— PG/OP communication	Yes
— S7 basic communication— S7 communicationYes	— Routing	Yes
— S7 communication Yes	 Global data communication 	No
— S7 communication Yes	— S7 basic communication	No
		Yes
	— S7 communication, as client	Yes

 S7 communication, as server 	Yes
— Equidistance	No
— Equidistance	No
— Isochronous mode	No
— SYNC/FREEZE	No
 Activation/deactivation of DP slaves 	No
 Direct data exchange (slave-to-slave communication) 	No
— DPV1	Yes
Address area	
— Inputs, max.	2 kbyte
— Outputs, max.	2 kbyte
User data per DP slave	
— User data per DP slave, max.	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte
— Slots, max.	244
— per slot, max.	128 byte
PROFIBUS DP slave	
Number of connections	No configuration of CPU as DP slave
0 laterface	
2. Interface	
Interface type	PROFINET
Interface type Physics	PROFINET Ethernet RJ45
Interface type Physics Isolated	PROFINET Ethernet RJ45 Yes
Physics	Ethernet RJ45
Physics Isolated	Ethernet RJ45 Yes
Physics Isolated automatic detection of transmission rate	Ethernet RJ45 Yes Yes; Autosensing
Physics Isolated automatic detection of transmission rate Autonegotiation	Ethernet RJ45 Yes Yes; Autosensing Yes
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing	Ethernet RJ45 Yes Yes; Autosensing Yes Yes
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch Media redundancy	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch Media redundancy • supported	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch Media redundancy • supported • Switchover time on line break, typ.	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes Yes Yes Yes
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch Media redundancy • supported • Switchover time on line break, typ. • Number of stations in the ring, max.	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes Yes Yes Yes
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types Number of ports integrated switch Media redundancy supported Switchover time on line break, typ. Number of stations in the ring, max. Protocols	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes Yes Yes 200 ms 50
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch Media redundancy • supported • Switchover time on line break, typ. • Number of stations in the ring, max. Protocols • PROFINET IO Controller	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes Yes Yes Yes Yes Yes Yes
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch Media redundancy • supported • Switchover time on line break, typ. • Number of stations in the ring, max. Protocols • PROFINET IO Controller • PROFINET IO Device	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes Yes Yes Yes Yes Yes Yes No Yes Your Additional States of the states of t
Physics Isolated automatic detection of transmission rate Autonegotiation Autocrossing Change of IP address at runtime, supported Number of connection resources Interface types • Number of ports • integrated switch Media redundancy • supported • Switchover time on line break, typ. • Number of stations in the ring, max. Protocols • PROFINET IO Controller • PROFINET IO Device • PROFINET CBA	Ethernet RJ45 Yes Yes; Autosensing Yes Yes No 64 2 Yes Yes Yes Yes Yes Yes No No No No

Occupies the	Voc
Open IE communication	Yes No
• Web server	
Point-to-point connection	No
PROFINET IO Controller	400 Mb;t/c
Transmission rate, max.	100 Mbit/s
Services	
— PG/OP communication	Yes
— S7 routing	Yes
— S7 communication	Yes
— Isochronous mode	No
— Open IE communication	Yes
— Shared device	Yes; Single mode only
— Prioritized startup	No
 Number of connectable IO Devices, max. 	256; In redundant mode via both interfaces
 Number of connectable IO Devices for RT, 	256
max.	
— of which in line, max.	256
 Activation/deactivation of IO Devices 	No
 IO Devices changing during operation (partner ports), supported 	No
 Device replacement without swap medium 	Yes
— Send cycles	250 μs, 500 μs, 1 ms, 2 ms, 4 ms
— Updating time	250 μs to 512 ms, minimum value depends on the number of configured user data and the configured single or redundant mode
Address area	
— Inputs, max.	8 kbyte
— Outputs, max.	8 kbyte
— User data consistency, max.	1 024 byte
Open IE communication	
Number of connections, max.	62
 Local port numbers used at the system end 	0, 20, 21, 25, 102, 135, 161, 34962, 34963, 34964, 65532, 65533, 65534, 65535
Keep-alive function, supported	Yes
3. Interface	
Interface type	Integrated
Physics	RS 485 / PROFIBUS
Power supply to interface (15 to 30 V DC), max.	150 mA
Number of connection resources	16
Protocols	
PROFIBUS DP master	Yes
PROFIBUS DP slave	No
PROFIBUS DP master	

Number of connections, max.	16
Transmission rate, max.	12 Mbit/s
Number of DP slaves, max.	96
Services	
— PG/OP communication	Yes
— Routing	Yes
Global data communication	No
 — S7 basic communication 	No
— S7 communication	Yes
 — S7 communication, as client 	Yes
 — S7 communication, as server 	Yes
— Equidistance	No
— Isochronous mode	No
— SYNC/FREEZE	No
 Activation/deactivation of DP slaves 	No
 Direct data exchange (slave-to-slave 	No
communication)	
— DPV0	Yes
— DPV1	Yes
Address area	
— Inputs, max.	6 kbyte
— Outputs, max.	6 kbyte
User data per DP slave	
 User data per DP slave, max. 	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte
— Slots, max.	244
— per slot, max.	128 byte
4. Interface	
Interface type	Pluggable synchronization submodule (FO)
Plug-in interface modules	Synchronization modules 6ES7960-1AA06-0XA0 or 6ES7960-1AB06-0XA0
5. Interface	
Interface type	Pluggable synchronization submodule (FO)
Plug-in interface modules	Synchronization modules 6ES7960-1AA06-0XA0 or 6ES7960-1AB06-0XA0
Protocols	
SIMATIC communication	
• S7 routing	Yes
Open IE communication	
• TCP/IP	Yes; via integrated PROFINET interface and loadable FBs

Number of connections, max.	62
— Data length, max.	32 kbyte
 several passive connections per port, 	Yes
supported	
• ISO-on-TCP (RFC1006)	Yes; Via integrated PROFINET interface or CP 443-1 and loadable FBs
 Number of connections, max. 	62
— Data length, max.	32 kbyte; 1452 bytes via CP 443-1 Adv.
• UDP	Yes; via integrated PROFINET interface and loadable FBs
 Number of connections, max. 	62
— Data length, max.	1 472 byte
Web server	
• supported	No
Isochronous mode	
Isochronous mode Isochronous operation (application synchronized up	No
to terminal)	
Equidistance	No
•	
Communication functions	V
PG/OP communication	Yes
Number of connectable OPs without message	63
processing	62. When using Alarm C/CO and Alarm D/DO
 Number of connectable OPs with message processing 	63; When using Alarm_S/SQ and Alarm_D/DQ
Data record routing	Yes
Global data communication	163
	No
supportedS7 basic communication	
• supported	No
S7 communication	INU
	Yes
• supported	Yes
• as server	
• as client	Yes
User data per job, max.	64 kbyte
User data per job (of which consistent), max.	462 byte; 1 variable
S5 compatible communication	
supported	Yes; (via CP max. 10 and FC AG_SEND and FC AG_RECV)
 User data per job, max. 	8 kbyte
 User data per job (of which consistent), max. 	240 byte
 Number of simultaneous AG-SEND/AG-RECV 	64/64
orders per CPU, max.	
Standard communication (FMS)	
supported	Yes; Via CP and loadable FB

Number of connections	
• overall	64
usable for PG communication	
 reserved for PG communication 	1
— adjustable for PG communication, max.	0
 usable for OP communication 	
 reserved for OP communication 	1
— adjustable for OP communication, max.	0
• usable for S7 basic communication	
— reserved for S7 basic communication	0
 adjustable for S7 basic communication, 	0
max.	
 usable for S7 communication 	
 reserved for S7 communication 	0
— adjustable for S7 communication, max.	0
usable for routing	
— reserved for routing	0
— adjustable for routing, max.	0

S7 message functions	
Number of login stations for message functions, max.	63; Max. 63 with Alarm_S/SQ and Alarm_D/DQ (OPs); max. 8
	with Alarm, Alarm_8, Alarm_8P, Notify and Notify_8 (e.g. WinCC)
Symbol-related messages	No
SCAN procedure	No
Program alarms	Yes
Process diagnostic messages	Yes
simultaneously active Alarm-S blocks, max.	400; Simultaneously active alarm_S/SQ blocks or alarm_D/DQ
	blocks
Alarm 8-blocks	Yes
 Number of instances for alarm 8 and S7 	2 500
communication blocks, max.	
• preset, max.	900
Process control messages	Yes
Number of archives that can log on simultaneously	16
(SFB 37 AR_SEND)	

Test commissioning functions	
Status block	Yes
Single step	Yes
Number of breakpoints	16
Status/control	
Status/control variable	Yes; Up to 16 variable tables
Variables	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters

Number of variables, max.	70
Forcing	
• Forcing	Yes
Forcing, variables	Inputs/outputs, bit memories, distributed I/Os
Number of variables, max.	256
Diagnostic buffer	
• present	Yes
Number of entries, max.	3 200
— adjustable	Yes
— preset	120
Service data	
● can be read out	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
• Limit class B, for use in residential areas	No
Confinition	
Configuration Configuration software	
• STEP 7	Yes
Programming	
Command set	see instruction list
Nesting levels	7
Access to consistent data in process image	Yes
System functions (SFC)	see instruction list
System functions (SFC) System function blocks (SFB)	see instruction list
	See instruction list
Programming language — LAD	Yes
	Yes
— FBD	Yes
— STL	Yes
— SCL	
— CFC	Yes
— GRAPH	Yes
— HiGraph®	Yes
Number of simultaneously active SFCs	0
— RD_REC	8
— WR_REC	8
— WR_PARM	8
— PARM_MOD	1
— WR_DPARM	2
— DPNRM_DG	8
— RDSYSST	8

— DP_TOPOL	1
Number of simultaneously active SFBs	
— RDREC	8
— WRREC	8
Know-how protection	
User program protection/password protection	Yes
 Block encryption 	Yes; With S7 block Privacy
Dimensions	
Dimensions Width	50 mm
	50 mm 290 mm
Width	
Width Height	290 mm
Width Height Depth	290 mm