SIEMENS

Data sheet

6ES7414-2XL07-0AB0

SIMATIC S7-400, CPU 414-2 CENTRAL PROCESSING UNIT WITH: 2 MB WORKING MEMORY, (1 MB CODE, 1 MB DATA), 1. INTERFACE MPI/DP 12 MBIT/S, 2. INTERFACE PROFIBUS DP

	INTERFACE MPI/DP 12 MBIT/S, 2. INTERFACE PROFIBUS DP
General information	
Product type designation	CPU 414-2
Hardware product version	01
Firmware version	V7.0
Engineering with	
Programming package	STEP 7 V5.4 or higher with HSP 261
CiR – Configuration in RUN	
CiR synchronization time, basic load	100 ms
CiR synchronization time, time per I/O byte	15 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.	0.9 A
from backplane bus 5 V DC, max.	1.1 A
from backplane bus 24 V DC, max.	300 mA; 150 mA per DP interface
from interface 5 V DC, max.	90 mA; At each DP interface
Power loss	
Power loss, typ.	4.5 W
Power loss, max.	5.5 W
Memory	
Type of memory	RAM
Work memory	
• integrated	2 Mbyte
• integrated (for program)	1 Mbyte
• integrated (for data)	1 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; with Memory Card (RAM)
• expandable RAM, max.	64 Mbyte
•	

• with battery	i es, all data
• without battery	No
Battery	
Backup battery	
Backup current, typ.	180 μA; up to 40 °C
 Backup current, max. 	850 μΑ
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

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 (shortest cycle that can be set = 500 μs)

• 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 (shortest cycle that can be set = $500 \mu s$)
Number of process alarm OBs	4; OB 40-43
Number of DPV1 alarm OBs	3; OB 55-57
• Number of isochronous mode OBs	3; OB 61-63
Number of multicomputing OBs	1; OB 60
Number of background OBs	1; OB 90
Number of startup OBs	3; 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
Countary timers and their retentivity	
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	
Number, max.	8 kbyte; Size of bit memory address area
Retentivity available	Yes
 Retentivity preset 	MB 0 to MB 15
 Number of clock memories 	8; in 1 memory byte
Data blocks	
• Number, max.	6 000; Number range: 1 to 16000

Cocal data	• Size, max.	64 kbyte
Address area I/O address area	adjustable, max.	16 kbyte
Inputs	• preset	8 kbyte
Inputs	Address area	
Inputs Outputs Outputs Outputs Of which distributed		
Outputs 8 kbyte of which distributed		8 khyte
of which distributed		
— MPI/DP interface, inputs 2 kbyte — MPI/DP interface, outputs 2 kbyte — DP interface, inputs 6 kbyte — DP interface, outputs 6 kbyte Process image • Inputs, adjustable 8 kbyte • Inputs, default 256 byte • Outputs, default 256 byte • Outputs, default 256 byte • Coutputs, default 256 byte • Number of subprocess images, max. 15 Digital channels 15 • Inputs 65 536 — of which central 65 536 • Outputs 4 096 — of which central 4 096 • Outputs 4 096 — of which central 4 096 • Outputs 4 096 — of which central 4 096 • Outputs 6 3 Multicom	·	
- MPI/DP interface, outputs - DP interface, inputs - DP interface, outputs - DP interface, outputs - DP interface, outputs - DP interface, outputs - OP interface, outputs - Okbyte Process image • Inputs, adjustable • Outputs, adjustable • Inputs, default • Outputs, default • Consistent data, max. • Access to consistent data in process image • Number of subprocess images, max. 15 Digital channels - Outputs - of which central - Outputs - of wh		2 khyta
DP interface, inputs 6 kbyte DP interface, outputs 6 kbyte Process image Inputs, adjustable 8 kbyte Outputs, adjustable 256 byte Inputs, default 256 byte Outputs, default 256 byte Outputs, default 256 byte Outputs, default 256 byte Consistent data, max. 244 byte Consistent data in process image Yes Subprocess images Number of subprocess images, max. 15 Digital channels Inputs 65 536 Outputs 65 536 Outputs 65 536 Outputs 65 536 Outputs 65 536 Analog channels Inputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Inputs 4 096 Outputs 5 068 Outputs 6 07 which central 7 096 Outputs 7 096		
Process image Inputs, adjustable 8 kbyte Outputs, adjustable 256 byte Outputs, default 256 byte Outputs, 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 Outputs 65 536 Analog channels Inputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 4 096 Outputs 5 000 Outputs 6 000 Outputs 6 000 Outputs 7 000 Outputs	·	
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Outputs, adjustable Inputs, default Outputs, default Outputs, default Outputs, default Outputs, default Outputs, default Outputs, default Consistent data, max. Access to consistent data in process image Yes Subprocess images Number of subprocess images, max. Number of subprocess images, max. 15 Digital channels Inputs Of which central Outputs Of which central Outputs Of so 536 Outputs Outputs Of which central Outputs Of which central Outputs Of which central Outputs Outputs Of which central Outputs		
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Access to consistent data in process image Subprocess images Number of subprocess images, max. 15 Digital channels Inputs Outputs Outputs Outputs Of which central Inputs Inputs Outputs Outputs Of which central Outputs Ou	Outputs, default	256 byte
Subprocess images Number of subprocess images, max. Is Digital channels Inputs Outputs Outputs Of which central Inputs Inputs Inputs Outputs Out	consistent data, max.	244 byte
Number of subprocess images, max. Digital channels	 Access to consistent data in process image 	Yes
Digital channels 65 536 — of which central 65 536 • Outputs 65 536 — of which central 65 536 Analog channels 4 096 • Inputs 4 096 — of which central 4 096 • Outputs 4 096 — of which central 4 096 Hardware configuration Vestable OPs Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules • Number of connectable IMs (total), max. 6 • Number of connectable IM 460s, max. 6 • Number of connectable IM 463s, max. 4; IM 463-2	Subprocess images	
 Inputs — of which central 65 536 Outputs 65 536 Outputs — of which central 65 536 Analog channels Inputs of which central Outputs of which central Outputs of which central Hardware configuration Number of expansion units, max. connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of connectable IM 463s, max. IM 463-2	 Number of subprocess images, max. 	15
 — of which central 65 536 ● Outputs — of which central 65 536 Analog channels ● Inputs — of which central ● Outputs — of which central 4 096 — of which central 4 096 Hardware configuration Number of expansion units, max. 21 connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules ● Number of connectable IMs (total), max. ● Number of connectable IM 460s, max. ● Number of connectable IM 463s, max. 4; IM 463-2 	Digital channels	
 Outputs — of which central Analog channels Inputs — of which central Outputs — of which central Outputs — of which central Outputs — of which central Hardware configuration Number of expansion units, max. connectable OPs Multicomputing Interface modules Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of connectable IM 463s, max. 4; IM 463-2 	• Inputs	65 536
— of which central Analog channels Inputs of which central Outputs Out	— of which central	65 536
Analog channels Inputs Of which central Outputs Outputs Of which central Outputs	Outputs	65 536
 Inputs of which central Outputs of which central 4 096 Outputs of which central 4 096 Hardware configuration Number of expansion units, max. connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of connectable IM 463s, max. 4; IM 463-2 	— of which central	65 536
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Outputs Of which central Hardware configuration Number of expansion units, max. Connectable OPs Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of connectable IM 463s, max.	• Inputs	4 096
— of which central Hardware configuration Number of expansion units, max. connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules • Number of connectable IMs (total), max. • Number of connectable IM 460s, max. • Number of connectable IM 463s, max. 4; IM 463-2	— of which central	4 096
Hardware configuration Number of expansion units, max. connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules • Number of connectable IMs (total), max. • Number of connectable IM 460s, max. • Number of connectable IM 463s, max. 4; IM 463-2	Outputs	4 096
Number of expansion units, max. connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules • Number of connectable IMs (total), max. • Number of connectable IM 460s, max. • Number of connectable IM 463s, max. 4; IM 463-2	— of which central	4 096
Number of expansion units, max. connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules • Number of connectable IMs (total), max. • Number of connectable IM 460s, max. • Number of connectable IM 463s, max. 4; IM 463-2	Hardware configuration	
connectable OPs 63 Multicomputing Yes; 4 CPUs max. (with UR1 or UR2) Interface modules • Number of connectable IMs (total), max. • Number of connectable IM 460s, max. • Number of connectable IM 463s, max. 4; IM 463-2		21
Interface modules • Number of connectable IMs (total), max. • Number of connectable IM 460s, max. • Number of connectable IM 463s, max. 4; IM 463-2	<u> </u>	63
 Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of connectable IM 463s, max. 4; IM 463-2 	Multicomputing	Yes; 4 CPUs max. (with UR1 or UR2)
 Number of connectable IM 460s, max. Number of connectable IM 463s, max. 4; IM 463-2 	Interface modules	
 Number of connectable IM 460s, max. Number of connectable IM 463s, max. 4; IM 463-2 	Number of connectable IMs (total), max.	6
• Number of connectable IM 463s, max. 4; IM 463-2		6
		4; IM 463-2

• integrated	2
• via CP	10; CP 443-5 Extended
● via IM 467	4
 Mixed mode IM + CP permitted 	No; IM 467 cannot be used jointly with CP 443-5 Ext. or CP 443-1 in PROFINET IO mode
• via interface module	0
 Number of pluggable S5 modules (via adapter capsule in central device), max. 	6
Number of IO Controllers	
● integrated	0
• via CP	4; Max. 4 in the central controller; no mixed operation of different CP 443-1 types in PROFINET IO mode
Number of operable FMs and CPs (recommended)	
• FM	Limited by number of slots and number of connections
• CP, PtP	CP 440: Limited by number of slots; CP 441: limited by number of connections
PROFIBUS and Ethernet CPs	14; In total max. 10 CPs as DP master and PROFINET controller, of which up to 10 IMs or CPs as DP master and up to 4 CPs as PROFINET controller
Slots	
• required slots	1
Time of day	
Clock	
Hardware clock (real-time)	Yes
retentive and synchronizable	Yes
Resolution	1 ms
Deviation per day (buffered), max.	1.7 s; Power off
Deviation per day (unbuffered), max.	8.6 s; For 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 hour
• retentive	Yes
Clock synchronization	
supported	Yes
● to MPI, master	Yes
• to MPI, slave	Yes
• to DP, master	Yes
• to DP, slave	Yes
• in AS, master	Yes

- File (: NTD	No. Via CD
on Ethernet via NTP	No; Via CP
• to IF 964 DP	No
Time difference in system when synchronizing via	000
• MPI, max.	200 ms
Interfaces	
Interfaces/bus type	1 x MPI/PROFIBUS DP, 1 x PROFIBUS DP
Number of RS 485 interfaces	2; Combined MPI / PROFIBUS DP and PROFIBUS DP
1. 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	MPI: 32, DP: 16
Functionality	
• MPI	Yes
PROFIBUS DP master	Yes
PROFIBUS DP slave	Yes
MPI	
Number of connections	32; 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	Yes
— Routing	Yes
 Global data communication 	Yes
 S7 basic communication 	Yes
— S7 communication	Yes
 S7 communication, as client 	Yes
 S7 communication, as server 	Yes
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. 	12 Mbit/s
Number of DP slaves, max.	32
Services	
— PG/OP communication	Yes
— Routing	Yes; S7 routing
— Global data communication	No
— S7 basic communication	Yes
— S7 communication	Yes
— S7 communication, as client	Yes

 S7 communication, as server 	Yes
— Equidistance	Yes
— Isochronous mode	Yes
— SYNC/FREEZE	Yes
 Activation/deactivation of DP slaves 	Yes
 — Direct data exchange (slave-to-slave communication) 	Yes
— 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
DP slave	
Number of connections	16
• GSD file	http://support.automation.siemens.com/WW/view/en/113652
• Transmission rate, max.	12 Mbit/s
automatic baud rate search	No
 Address area, max. 	32; Virtual slots
 User data per address area, max. 	32 byte
— of which consistent, max.	32 byte
Services	
— PG/OP communication	Yes; with interface active
— S7 routing	Yes; with interface active
 Global data communication 	No
 S7 basic communication 	No
— S7 communication	Yes
 S7 communication, as client 	Yes
 S7 communication, as server 	Yes
 — Direct data exchange (slave-to-slave communication) 	No
— DPV1	No
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte
2. Interface	
Interface type	Integrated

Physics	RS 485 / PROFIBUS
Isolated	Yes
Power supply to interface (15 to 30 V DC), max.	150 mA
Number of connection resources	16
Functionality	
 PROFIBUS DP master 	Yes
 PROFIBUS DP slave 	Yes
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; S7 routing
— Global data communication	No
 S7 basic communication 	Yes
— S7 communication	Yes
 S7 communication, as client 	Yes
 S7 communication, as server 	Yes
— Equidistance	Yes
— Isochronous mode	Yes
— SYNC/FREEZE	Yes
 Activation/deactivation of DP slaves 	Yes
 Direct data exchange (slave-to-slave communication) 	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
DP slave	
Number of connections	16
• GSD file	http://support.automation.siemens.com/WW/view/en/113652
Transmission rate, max.	12 Mbit/s
Address area, max.	32
User data per address area, max.	32 byte
— of which consistent, max.	32 byte
or willon consistent, max.	

Services	
— Routing	Yes; with interface active
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte
Isochronous mode	Vest For DDOFIDITO and a
Isochronous operation (application synchronized up to terminal)	Yes; For PROFIBUS only
Number of DP masters with isochronous mode	2
User data per isochronous slave, max.	244 byte
Equidistance	Yes
shortest clock pulse	1 ms; 0.5 ms without use of SFC 126, 127
max. cycle	32 ms
•	
Communication functions	- V
PG/OP communication	Yes
 Number of connectable OPs without message processing 	63
 Number of connectable OPs with message processing 	63; When using Alarm_S/SQ and Alarm_D/DQ
Data record routing	Yes
Global data communication	
• supported	Yes
Number of GD loops, max.	8
 Number of GD packets, transmitter, max. 	8
 Number of GD packets, receiver, max. 	16
Size of GD packets, max.	54 byte
Size of GD packet (of which consistent), max.	1 variable
S7 basic communication	
• supported	Yes
User data per job, max.	76 byte
 User data per job (of which consistent), max. 	1 variable
S7 communication	
• supported	Yes
• as server	Yes
• 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 FC AG_SEND and AG_RECV, max. via 10 CP 443-1 or 443-5
User data per job, max.	8 kbyte
User data per job (of which consistent), max.	240 byte
out and put job (or million conditionity, max.	

	2.172
 Number of simultaneous AG-SEND/AG-RECV orders per CPU, max. 	24/24
Standard communication (FMS)	
• supported	Yes; Via CP and loadable FB
Open IE communication	
• ISO-on-TCP (RFC1006)	Via CP 443-1 and loadable FB
— Data length, max.	1452 bytes via CP 443-1 Adv.
Web server	
• supported	No
Number of connections	
• overall	64
 usable for PG communication 	63
 reserved for PG communication 	1
— adjustable for PG communication, max.	0
 usable for OP communication 	63
 reserved for OP communication 	1
 adjustable for OP communication, max. 	0
 usable for S7 basic communication 	62
- reserved for S7 basic communication	0
 adjustable for S7 basic communication, 	0
max.	
 usable for S7 communication 	62
 reserved for S7 communication 	0
 adjustable for S7 communication, max. 	0
usable for routing	31
— 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	Yes
SCAN procedure	Yes
Block related messages	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 communication blocks, max. 	1 200
• preset, max.	300
Process control messages	Yes

(SFB 37 AR_SEND)

Number of archives that can log on simultaneously

16

Number of messages	
• overall, max.	512
● in 100 ms grid, max.	128
• in 500 ms grid, max.	256
• in 1000 ms grid, max.	512
Number of additional values	
• with 100 ms grid, max.	1
• with 500, 1000 ms grid, max.	10
Test commissioning functions	

Test commissioning functions	
Status block	Yes; Up to 16 simultaneously
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; Status/control
Forcing	
• Forcing	Yes
 Forcing, variables 	Inputs, outputs, bit memories, peripheral inputs, peripheral outputs
 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

Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
• ATEX	ATEX II 3 G Ex nA IIC T4 Gc

Δm	hiant	conditions

Ambient temperature during operation

• min.• max.0 °C60 °C

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 function blocks (SFB) 	see instruction list
Programming language	
— LAD	Yes
— FBD	Yes
— STL	Yes
— SCL	Yes
— CFC	Yes
— GRAPH	Yes
— HiGraph®	Yes
Number of simultaneously active SFCs	
— DPSYC_FR	2; SFC 11; per interface
— D_ACT_DP	8; SFC 12; per interface
— RD_REC	8; SFC 59; per interface
— WR_REC	8; SFC 58; per interface
— WR_PARM	8; SFC 55; per interface
— PARM_MOD	1; SFC 57; per interface
— WR_DPARM	2; SFC 56; per interface
— DPNRM_DG	8; SFC 13; per interface
— RDSYSST	8; SFC 51
— DP_TOPOL	1; SFC 103; per interface
Number of simultaneously active SFBs	
— RDREC	8; SFB 52; per interface, but not more than 32 across all external interfaces
— WRREC	8; SFB 53; per interface, but not more than 32 across all external interfaces
Know-how protection	
User program protection/password protection	Yes
Block encryption	Yes; With S7 block Privacy
Dimensions	
Width	25 mm
Height	290 mm

Depth	219 mm
Weights	
Weight, approx.	700 g
last modified:	11/15/2016