SIEMENS

Data sheet

6ES7414-3EM06-0AB0



********** Replacement part ********* SIMATIC S7-400, CPU 414-3 PN/DP Central processing unit with: work memory 4 MB, (2 MB code, 2 MB data), Interfaces: 1st interface MPI/DP 12 Mbit/s, (X1), 2nd interface Ethernet/PROFINET (X5), 3rd interface IF 964-DP plug-in (IF1)

Figure similar

General information	
Product type designation	CPU 414-3 PN/DP
HW functional status	01
Firmware version	V6.0
Product function	
 Isochronous mode 	Yes; Via PROFIBUS DP or PROFINET interface
Engineering with	
 Programming package 	STEP 7 V5.5 or higher/iMap V3.0 + iMap STEP 7 Add-on V3.0 SP5 or higher
CiR - Configuration in RUN	
CiR synchronization time, basic load	100 ms
CiR synchronization time, time per I/O byte	15 μs; Time per I/O byte
Supply voltage	
Rated value (DC)	Power supply via system power supply
Input current	
from backplane bus 5 V DC, typ.	1.3 A
from backplane bus 5 V DC, max.	1.5 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.	6.5 W
Power loss, max.	7.5 W
Memory	
Type of memory	RAM
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; with Memory Card (RAM)
expandable RAM, max.	64 Mbyte
Backup	
• present	Yes
with battery	Yes; all data
without battery	No
Battery	

Dealum hattens	
Backup battery	125 uA: up to 40 °C
Backup current, typ. Backup current may	125 μA; up to 40 °C
Backup current, max. Backup time, max.	450 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
PU processing times	
for bit operations, typ.	45 ns
for word operations, typ.	45 ns
for fixed point arithmetic, typ.	45 ns
for floating point arithmetic, typ.	135 ns
PU-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
OB	
 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, 33, 34, 35 (shortest cycle that can be set = 500 μs)
 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
ounters, timers and their retentivity	
S7 counter	
Number	2 048
Retentivity	
— adjustable	Yes
— preset	Z 0 to Z 7
Counting range	
— lower limit	0
— upper limit	999
IEC counter	
	Yes
	TES
• present	SFB
	SFB
presentTypeNumber	
presentTypeNumberS7 times	SFB Unlimited (limited only by RAM capacity)
presentTypeNumberS7 timesNumber	SFB
 present Type Number S7 times Number Retentivity 	SFB Unlimited (limited only by RAM capacity) 2 048
 present Type Number Number Retentivity adjustable 	SFB Unlimited (limited only by RAM capacity) 2 048 Yes
 present Type Number Number Retentivity — adjustable — preset 	SFB Unlimited (limited only by RAM capacity) 2 048
 present Type Number S7 times Number Retentivity — adjustable — preset Time range 	SFB Unlimited (limited only by RAM capacity) 2 048 Yes No times retentive
 present Type Number Number Retentivity — adjustable — preset 	SFB Unlimited (limited only by RAM capacity) 2 048 Yes

present	Yes
• Type	SFB
Number	Unlimited (limited only by RAM capacity)
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	Total working and load memory (with backup battery)
Flag	
• Size, 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
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, adjustable Inputs, default	256 byte
Outputs, default	256 byte
•	
consistent data, max. Access to consistent data in process image.	244 byte Yes
Access to consistent data in process image	res
Subprocess images	45
Number of subprocess images, max. Digital shapes!	15
Digital channels	05 500
• 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
— of which central	4 096
Hardware configuration	
Integrated power supply	No
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. 	6
 Number of connectable IM 460s, max. 	6
Number of connectable IM 463s, max.	4; IM 463-2
Number of DP masters	
• integrated	1
• via CP	10; CP 443-5 Extended
• via IM 467	4
Mixed mode IM + CP permitted	No; IM 467 not suitable for use with CP 443-5 Ext. and CP 443-1 EX4x, EX20,
	GX20 (in PROFINET IO mode)
via interface module	1; IF 964-DP
 Number of pluggable S5 modules (via adapter capsule in central device), max. 	6
Number of IO Controllers	
• integrated	1
• via CP	4; No mixed operation of CP443-1 EX40 and CP443-1 EX 41/EX20/GX20,
	max. 4 in central controller
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 slots and 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	2
Fine of day	
Clock - Hardware clock (real time)	Yes
Hardware clock (real-time)retentive and synchronizable	Yes
Resolution	1 ms
Deviation per day (buffered), max.	1.7 s; Power off
Deviation per day (bullered), max. Deviation per day (unbuffered), max.	8.6 s; For power On
Operating hours counter	6.0 S, Ful power Oil
Number	16
Number/Number range	0 to 15
•	SFCs 2, 3 and 4: 0 to 32767 hours SFC 101: 0 to 2^31 - 1 hours
Range of valuesGranularity	1 h
• retentive	Yes
Clock synchronization	165
• supported	Yes
to MPI, master	Yes
• to MPI, master • to MPI, slave	Yes
to MPI, slave to DP, master	Yes
	Yes
• to DP, slave	Yes
• in AS, master	
• in AS, slave	Yes
• on Ethernet via NTP	Yes; As client
• to IF 964 DP	Yes
Time difference in system when synchronizing via	40 ***
• Ethernet, max.	10 ms
MPI, max.	200 ms
nterfaces	4 v MDI/DDOCIDUS DD 4 v DDOCINICT (2 morts) 4 v DDOCIDUS DD
Interfaces/bus type	1 x MPI/PROFIBUS DP, 1 x PROFINET (2 ports), 1 x PROFIBUS DP (optionally pluggable)
Number of RS 485 interfaces	2
Number of other interfaces	0
Optical interface	No
. Interface	
Interface type	MPI/PROFIBUS DP
Isolated	Yes
Interface types	
• RS 485	Yes
 Output current of the interface, max. 	150 mA
Protocols	
• 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
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
	resources on the line is reduced by 1

 Number of DP slaves, max. 	32
·	JZ
Services	V
— PG/OP communication	Yes
— Routing	Yes
— 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
PROFIBUS 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
— 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 	No
communication)	
— DPV1	No
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte
2. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes; Autosensing
Autonegotiation	Yes
Autocrossing	Yes
Change of IP address at runtime, supported	Yes; Assignment by higher-level IO-Controller or by the user program with SFB104 "IP_CONF"
Interface types	
RJ 45 (Ethernet)	Yes
Number of ports	2
integrated switch	Yes
Protocols	
PROFINET IO Controller	Yes
PROFINET IO Device	Yes

PROFINET CBA	Yes
PROFIBUS DP master	No
PROFIBUS DP slave	No
Open IE communication	Yes
Web server	Yes
Point-to-point connection	No
Media redundancy	Yes
PROFINET IO Controller	
Transmission rate, max.	100 Mbit/s
Services	v.
— PG/OP communication	Yes
— S7 communication	Yes
— Isochronous mode	Yes; Only with IRT and the High Performance option
— Shared device	Yes
— Prioritized startup	Yes
Number of IO devices with prioritized startup, max.	32
 Number of connectable IO Devices, max. 	256
Of which IO devices with IRT, max.	64
— of which in line, max.	64
 Number of IO Devices with IRT and the option "high flexibility" 	256
— of which in line, max.	61
 Number of connectable IO Devices for RT, max. 	256
— of which in line, max.	256
 Activation/deactivation of IO Devices 	Yes
 Number of IO Devices that can be simultaneously activated/deactivated, max. 	8
 IO Devices changing during operation (partner ports), supported 	Yes
Number of IO Devices per tool, max.	8; 8 parallel calls of the SFC 12 "D_ACT_DP" possible per line. Max. 32 IO Devices changing during operation (partner ports) are supported
 Device replacement without swap medium 	Yes
— Send cycles	250 μ s, 500 μ s, 1 ms, 2 ms, 4 ms additionally with IRT with high performance: 250 μ s to 4 ms in 125 μ s frame
— Updating time	250 µs to 512 ms; minimum value depends on preset communication share for PROFINET IO, on the number of IO Devices and on the amount of configured user data, see PROFINET system description
Address area	
— Inputs, max.	8 kbyte
— Outputs, max.	8 kbyte
 User data consistency, max. 	1 024 byte
PROFINET IO Device	
Services	
— PG/OP communication	Yes
— S7 communication	Yes
— Isochronous mode	No
— IRT	Yes
— Prioritized startup	Yes
— Shared device	Yes
 Number of IO Controllers with shared device, max. 	2
Transfer memory	
— Inputs, max.	1 440 byte; Per IO Controller with shared device
— Outputs, max.	1 440 byte; Per IO Controller with shared device
Submodules	
— Number, max.	64
— User data per submodule, max.	1 024 byte
PROFINET CBA	
 acyclic transmission 	Yes
cyclic transmission	Yes
Open IE communication	
 Number of connections, max. 	62
 Local port numbers used at the system end 	0, 20, 21, 25, 80, 102, 135, 161, 34962, 34963, 34964, 65532, 65533, 65534,

Keep-alive function, supported	Yes
3. Interface	
Interface type	Pluggable interface module (IF)
Plug-in interface modules	IF 964-DP (MLFB: 6ES7964-2AA04-0AB0)
Isolated	Yes
automatic detection of transmission rate	No
Interface types	
• RS 485	Yes
Output current of the interface, max.	150 mA
Protocols	
• MPI	No
PROFIBUS DP master	Yes
PROFIBUS DP slave	Yes
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; 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	Yes
communication)	V
— DPV0	Yes
— DPV1 Address area	Yes
— Inputs, max.	6 kbyte
— Outputs, max.	6 kbyte
User data per DP slave	O KDyle
— 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	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
— 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 	No
communication)	
— DPV1	No

Transfer manage	
Transfer memory	244 buto
— Inputs	244 byte
— Outputs	244 byte
Protocols	
Redundancy mode	
Media redundancy	000
— Switchover time on line break, typ.	200 ms
— Number of stations in the ring, max.	50
SIMATIC communication	V
• S7 routing	Yes
Open IE communication • TCP/IP	Vac: via integrated DDOFINET interface and leadable EDa
Number of connections, max.	Yes; via integrated PROFINET interface and loadable FBs 62
Data length, max.	32 kbyte
— several passive connections per port, supported	Yes
ISO-on-TCP (RFC1006)	Yes; Via integrated PROFINET interface or CP 443-1 Adv. and loadable FBs
- Number of connections, max.	62
— Data length, max.	32 kbyte; 1 452 bytes via CP 443-1 Adv.
— Data lerigiti, max. • UDP	Yes; via integrated PROFINET interface and loadable FBs
Number of connections, max.	62
Data length, max.	1 472 byte
— Data length, max. Web server	= 0,10
• supported	Yes
User-defined websites	Yes
Number of HTTP clients	5
Isochronous mode	
Equidistance	Yes
Number of DP masters with isochronous mode	2
User data per isochronous slave, max.	244 byte
shortest clock pulse	1 ms; 0.5 ms without use of SFC 126, 127
max. cycle	32 ms
,	
communication functions / header	
	Yes
communication functions / header	Yes 63
communication functions / header PG/OP communication	
communication functions / header PG/OP communication • Number of connectable OPs without message processing	63
PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing	63 63; When using Alarm_S/SQ and Alarm_D/DQ
communication functions / header PG/OP communication • Number of connectable OPs without message processing • Number of connectable OPs with message processing Data record routing	63 63; When using Alarm_S/SQ and Alarm_D/DQ
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PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max. Size of GD packet (of which consistent), max. Table of GD packet (of which consistent), max. Solution of the communication communication function / Solution of the communication User data per job (of which consistent), max. Communication supported as server as client User data per job, max. User data per job (of which consistent), max. Solution of the communication supported user data per job (of which consistent), max. User data per job (of which consistent), max. Solution of the communication supported User data per job (of which consistent), max. Solution of the consistent of the consiste	63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Yes Yes 8 8 16 54 byte 1 variable Yes 76 byte 1 variable Yes Yes Yes Yes Yes Yes Yes Yes Yes Solution Yes Yes Yes Solution Yes Yes Yes Yes Solution Yes Yes Yes Yes Yes Yes Solution Yes
PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max. Size of GD packet (of which consistent), max. roundled to the communication communication function / S7 basic communication User data per job, max. User data per job (of which consistent), max. roundled as server as client User data per job, max. User data per job (of which consistent), max. stocompatible communication supported User data per job (of which consistent), max. supported User data per job (of which consistent), max. Stocompatible communication supported User data per job (of which consistent), max. Stocompatible communication supported User data per job (of which consistent), max.	63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Yes 8 8 16 54 byte 1 variable Yes 76 byte 1 variable Yes Yes Yes Yes Yes Yes Yes Yes Ada Alarm_D/DQ Yes 8 8 8 10 10 10 10 10 10 10 10 10 10 10 10 10

communication functions / PROFINET CRA (with set target communi	ication load\ / header
communication functions / PROFINET CBA (with set target communication load	20 %
 Setpoint for the CPU communication load Number of remote interconnection partners 	32
·	
Number of functions, master/slave Total of all master/slave connections	4 500
max.	45 000 byte
max.	45 000 byte
 Number of device-internal and PROFIBUS interconnections 	1 000
 Data length of device-internal und PROFIBUS interconnections, max. 	16 000 byte
Data length per connection, max.	2 000 byte
performance data / PROFINET CBA / remote interconnection / w	vith acyclic transfer / header
	200 ms; Depending on preset communication load, number of interconnections and data length used
 Number of incoming interconnections 	250
Number of outgoing interconnections	250
Data length of all incoming interconnections, max.	8 000 byte
	8 000 byte
— data volume / as user data for remote	2 000 byte
interconnections / in the case of acyclic transmission / with PROFINET CBA / per connection / maximum	
performance data / PROFINET CBA / remote interconnection / w	vith cyclic transfer / header
— Transmission frequency: Transmission interval, min.	1 ms; Depending on preset communication load, number of interconnections and data length used
number of remote connections to input variables / with PROFINET CBA / with cyclic transfer / maximum	300
number of remote connections to output variables / with cyclical transfer / with PROFINET CBA / maximum	300
— data volume / as user data for remote interconnections with input variables / with cyclical transfer / with PROFINET CBA / maximum	4 800 byte
— data volume / as user data for remote interconnections with output variables / with cyclical transfer / with PROFINET CBA / maximum	4 800 byte
— data volume / as user data for remote interconnections / with cyclical transfer / with PROFINET CBA / per connection / maximum	450 byte
performance data / PROFINET CBA / HMI variables via PROFIN	NET / acyclic / header
	2x PN OPC/1x iMap
— HMI variable updating	500 ms
Number of HMI variables	1 000
Data length of all HMI variables, max.	32 000 byte
performance data / PROFINET CBA / PROFIBUS proxy function	·
	Yes; 32 PROFIBUS slaves max. connectable
• •	240 byte; Slave-dependent
Number of connections	270 byte, diave-dependent
	64
usable for PG communication	64
	1
— 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, max.	0
usable for S7 communication	
— reserved for S7 communication	0
 adjustable for S7 communication, max. 	
	0
usable for routing	
usable for routing	0

-	
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
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 communication blocks, max.	1 200
• preset, max.	300
Process control messages	Yes
Number of archives that can log on simultaneously (SFB 37 AR_SEND)	16
Number of messages	
overall, max.	512
• in 100 ms grid, max.	128
	256
• in 500 ms grid, max.	512
• in 1000 ms grid, max.	SIZ
Number of additional values	4
• with 100 ms grid, max.	1
• with 500, 1000 ms grid, max.	10
est 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, 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
MC	
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
onfiguration / header	
Configuration software	
STEP 7	Yes
configuration / programming / header	100
Command set	see instruction list
Nesting levels Access to consistent data in present image.	7
Access to consistent data in process image System functions (CEC)	Yes
System functions (SFC)	see instruction list
System function blocks (SFB)	see instruction list
Programming language	
— LAD	Yes
— FBD	Yes
— STL	Yes
— SCL	Yes

— GRAPH	Yes	
— HiGraph®	Yes	
configuration / programming / number of simultaneously active SFC / header		
— DPSYC_FR	2	
— D_ACT_DP	8	
— RD_REC	8	
— WR_REC	8	
— WR_PARM	8	
— PARM_MOD	1	
— WR_DPARM	2	
— DPNRM_DG	8	
— RDSYSST	8	
— DP_TOPOL	1	
configuration / programming / number of simultaneously active SFB / header		
— RDREC	8	
— WRREC	8	
Know-how protection		
 User program protection/password protection 	Yes	
 Block encryption 	Yes; With S7 block Privacy	
Dimensions		
Width	50 mm	
Height	290 mm	
Depth	219 mm	
Weights		
Weight, approx.	900 g	

last modified:

9/11/2023