SIEMENS

Data sheet

6ES7414-2XL07-0AB0



SIMATIC S7-400, CPU 414-2 Central processing unit with: Work memory 2 MB, (1 MB code, 1 MB data), 1st interface MPI/DP 12 Mbit/s, 2nd interface PROFIBUS DP

General information	
Product type designation	CPU 414-2
HW functional status	01
Firmware version	V7.0
Product function	
• Isochronous mode	Yes; For PROFIBUS only
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)	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
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
Backup	
• present	Yes
• with battery	Yes; all data
without battery	No
Battery	
Backup battery	
 Backup current, typ. 	180 μA; up to 40 °C

 Backup current, max. 	850 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
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 32-35 (shortest cycle that can be set = 500 μ 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	24
per priority class additional within an array OP	24
additional within an error OB Counters, timers and their retentivity	1
S7 counter	0.040
Number Peterti itu	2 048
Retentivity	Voc
— adjustable	Yes
— preset	Z 0 to Z 7
Counting range — lower limit	0
	0 999
— upper limit IEC counter	999
	Yes
• present	SFB
TypeNumber	Unlimited (limited only by RAM capacity)
S7 times	Criminica (minica only by Ivrivi capacity)
• Number	2 048
Retentivity	2 040
— adjustable	Yes
— preset	No times retentive
— preset Time range	140 tillies letelling
— lower limit	10 ms
— upper limit — upper limit	9 990 s
— upper limit IEC timer	3 330 S
• present	Yes
• Type	SFB
• турс	Oi D

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, 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	
— 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.	6	
Number of connectable IM 460s, max.	6	
Number of connectable IM 463s, max. Number of RR residues.	4; IM 463-2	
Number of DP masters	2	
• integrated	2 40. CD 442 5 Extended	
• via CP	10; CP 443-5 Extended	
• via IM 467	A No. IM 467 connet be used is influenith CD 442.5 Fort on CD 442.4 in	
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	6	
central device), max.		
Number of IO Controllers		
• integrated	0	
• via CP	4; Max. 4 in the central controller; no mixed operation of different CP 443-1	
Number of operable EMs and CRs (recommended)	types in PROFINET IO mode	
Number of operable FMs and CPs (recommended) • FM	Limited by number of slots and number of connections	
• FIVI • CP, PtP	Limited by number of slots and number of connections CP 440: Limited by number of slots; CP 441: limited by number of connections	
	FIBUS and Ethernet CPs 14; In total max. 10 CPs as DP master and PROFINET controller, of which up	
FROLIDOS GIIG ETIBLIET CL2	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	0.0 0, 1 01 ponot on
• 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
• on MPI, device	Yes
• to DP, master	Yes
• on DP, device	Yes
• in AS, master	Yes
• in AS, device	Yes
• on Ethernet via NTP	No; Via CP
• to IF 964 DP	No
Time difference in system when synchronizing via	
• 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	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 device	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
• Transmission rate, max. Services	12 IVIDIUS
— PG/OP communication	Yes
— PG/OP communication — Routing	Yes
Routing Global data communication	Yes
— S7 basic communication	Yes
— S7 communication	Yes
— S7 communication — S7 communication, as client	Yes
— S7 communication, as circle — S7 communication, as server	Yes
PROFIBUS DP master	1.00
Number of connections, max.	16; If a diagnostics repeater is used on the line, the number of connection
Transmission rate, max. Transmission rate, max.	resources on the line is reduced by 1 12 Mbit/s
max. number of DP devices	32
Services	<u></u>
— PG/OP communication	Yes
— Routing	Yes; S7 routing
Routing Global data communication	No
Global data communication S7 basic communication	
— S7 communication	Yes Yes

— S7 communication, as client	Yes
— S7 communication, as server	Yes
— Equidistance	Yes
— Isochronous mode	Yes
— SYNC/FREEZE	Yes
activation/deactivation of DP devices	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 device	,
user data per DP device, max.	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte
— Slots, max.	244
— per slot, max.	128 byte
1st interface / PROFIBUS DP device / header	
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	PROFIBUS DP
Isolated	Yes
Interface types	
• RS 485	Yes
Output current of the interface, max.	150 mA
Protocols	
PROFIBUS DP master PROFIBUS DP davides	Yes
PROFIBUS DP device PROFIBUS DP receiver.	Yes
PROFIBUS DP master	40
Number of connections, max. The provided in materials and the provided in the provided i	16
Transmission rate, max.	12 Mbit/s
max. number of DP devices	96
Services	Ven
— 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
Equidistance Isochronous mode	Yes
— SYNC/FREEZE	Yes
activation/deactivation of DP devices	Yes
Direct data exchange (slave-to-slave)	Yes
communication)	165
— DPV1	Yes
Address area	
— Inputs, max.	6 kbyte
— Outputs, max.	6 kbyte
User data per DP device	
— user data per DP device, max.	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte
— Slots, max.	244
— per slot, max.	128 byte
2nd interface / PROFIBUS DP device / header	
 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
Services	
— Routing	Yes; with interface active
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte
Protocols	
SIMATIC communication	
S7 routing	Yes
Open IE communication	
• ISO-on-TCP (RFC1006)	Via CP 443-1 and loadable FB
— Data length, max.	1 452 bytes via CP 443-1 Adv.
Web server	
• supported	No
Isochronous mode	V.
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	Vaa
PG/OP communication	Yes 62: When using Alarm S/SO and Alarm D/DO
Number of connectable OPs with message processing Number of connectable OPs without message processing.	63; When using Alarm_S/SQ and Alarm_D/DQ
Number of connectable OPs without message processing Data record routing.	63 Yes
Data record routing Global data communication	165
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, neceiver, max.	54 byte
- 0.20 0. 02 pad. 100.	
Size of GD packet (of which consistent) may	
Size of GD packet (of which consistent), max. S7 basic communication.	1 variable
S7 basic communication	1 variable
S7 basic communication • supported	1 variable Yes
S7 basic communication • supported • User data per job, max.	1 variable Yes 76 byte
S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max.	1 variable Yes
S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication	1 variable Yes 76 byte 1 variable
S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max.	1 variable Yes 76 byte

• 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
Number of simultaneous AG-SEND/AG-RECV orders per CDU	24/24
CPU, max. Standard communication (FMS)	
• supported	Yes; Via CP and loadable FB
Number of connections	res, via or and loadable r b
overall	64
usable for PG communication	63
reserved for PG communication	1
	0
— adjustable for PG communication, max.	
usable for OP communication recorded 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, max.	0
 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
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
	Voc
Alarm 8-blocks	Yes
Alarm 8-blocks • Number of instances for alarm 8 and S7 communication blocks, max.	1 200
Number of instances for alarm 8 and S7 communication	
 Number of instances for alarm 8 and S7 communication blocks, max. 	1 200
 Number of instances for alarm 8 and S7 communication blocks, max. preset, max. 	1 200 300
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37)	1 200 300 Yes
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND)	1 200 300 Yes
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max.	1 200 300 Yes 16
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages	1 200 300 Yes 16
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 500 ms grid, max.	1 200 300 Yes 16 512 128
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max.	1 200 300 Yes 16 512 128 256
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. in 1000 ms grid, max. Number of additional values	1 200 300 Yes 16 512 128 256 512
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. win 1000 ms grid, max. win 1000 ms grid, max. Number of additional values with 100 ms grid, max.	1 200 300 Yes 16 512 128 256
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 500 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. with 500, 1000 ms grid, max.	1 200 300 Yes 16 512 128 256 512
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 500 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. with 500, 1000 ms grid, max. Test commissioning functions	1 200 300 Yes 16 512 128 256 512 1 1
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. Status block	1 200 300 Yes 16 512 128 256 512 1 10 Yes; Up to 16 simultaneously
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 100 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. Status block Single step	1 200 300 Yes 16 512 128 256 512 1 1 10 Yes; Up to 16 simultaneously Yes
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 500 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. Test commissioning functions Status block Single step Number of breakpoints	1 200 300 Yes 16 512 128 256 512 1 1 10 Yes; Up to 16 simultaneously
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 500 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. Status block Single step Number of breakpoints Status/control	1 200 300 Yes 16 512 128 256 512 1 10 Yes; Up to 16 simultaneously Yes 16
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. Status block Single step Number of breakpoints Status/control Status/control variable	1 200 300 Yes 16 512 128 256 512 1 1 10 Yes; Up to 16 simultaneously Yes 16 Yes; Up to 16 variable tables
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. Status block Single step Number of breakpoints Status/control Status/control variable Variables	1 200 300 Yes 16 512 128 256 512 1 10 Yes; Up to 16 simultaneously Yes 16 Yes; Up to 16 variable tables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Number of instances for alarm 8 and S7 communication blocks, max. preset, max. Process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. with 500, 1000 ms grid, max. Status block Single step Number of breakpoints Status/control Status/control variable Variables Number of variables, max.	1 200 300 Yes 16 512 128 256 512 1 1 10 Yes; Up to 16 simultaneously Yes 16 Yes; Up to 16 variable tables
Number of instances for alarm 8 and S7 communication blocks, max. process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. with 100 ms grid, max. with 500, 1000 ms grid, max. with 500, 1000 ms grid, max. Status block Single step Number of breakpoints Status/control Status/control variable Variables Number of variables, max. Forcing	1 200 300 Yes 16 512 128 256 512 1 10 Yes; Up to 16 simultaneously Yes 16 Yes; Up to 16 variable tables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters 70; Status/control
Number of instances for alarm 8 and S7 communication blocks, max. process control messages Number of archives that can log on simultaneously (SFB 37 AR_SEND) Number of messages overall, max. in 100 ms grid, max. in 1000 ms grid, max. in 1000 ms grid, max. with 100 ms grid, max. Number of additional values with 100 ms grid, max. suith 500, 1000 ms grid, max. Test commissioning functions Status block Single step Number of breakpoints Status/control Status/control variable Variables Number of variables, max.	1 200 300 Yes 16 512 128 256 512 1 10 Yes; Up to 16 simultaneously Yes 16 Yes; Up to 16 variable tables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters

North or of consolidation areas	050
Number of variables, max.	256
Diagnostic buffer	v
• 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 3G Ex nA IIC T4 Gc
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
configuration / header	
Configuration software	
• STEP 7	Yes
configuration / programming / header	
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	See mondelon not
— LAD	Yes
— FBD	Yes
— STL	Yes
— SCL	Yes
— CFC	Yes
— GRAPH	Yes
— HiGraph®	Yes
configuration / programming / number of simultaneously active	
— 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
configuration / programming / number of simultaneously activ	ve SFB / header
— 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
: :=:0···	

219 mm Depth Weights Weight, approx. 700 g

Classifications

	Version	Classification
eClass	14	27-24-22-07
eClass	12	27-24-22-07
eClass	9.1	27-24-22-07
eClass	9	27-24-22-07
eClass	8	27-24-22-07
eClass	7.1	27-24-22-07
eClass	6	27-24-22-07
ETIM	9	EC000236
ETIM	8	EC000236
ETIM	7	EC000236
IDEA	4	3565
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

For use in hazardous locations



Miscellaneous









For use in hazardous locations



<u>FM</u>





Type Examination Cer-tificate



Marine / Shipping









NK / Nippon Kaiji Ky-okai



Marine / Shipping

Environment

CCS (China Classification Society)



last modified:

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