SIEMENS

6ES7414-3XJ04-0AB0 **Data sheet**

*********** Replacement part ********* SIMATIC S7-400, CPU 414-3 Central processing unit with: work memory 1.4 MB, (700 KB code, 700 KB data), 1st interface MPI/DP 12 Mbit/s, 2nd interface PROFIBUS DP, 3rd interface plug-in IFM module
CPU 414-3

	module
General information	
Product type designation	CPU 414-3
Firmware version	V4.0
Product function	
Isochronous mode	Yes
Engineering with	
Programming package	STEP 7 V5.2 SP1 HF3 or higher with HW update
CiR - Configuration in RUN	
CiR synchronization time, basic load	100 ms
CiR synchronization time, time per I/O byte	80 µs
Supply voltage	<u> </u>
Rated value (DC)	Power supply via system power supply
Input current	The same of the sa
from backplane bus 5 V DC, typ.	1 A
from backplane bus 5 V DC, max.	1.2 A
from backplane bus 24 V DC, max.	Total current consumption of the components connected to the MPI/DP
Demonstrate de la constant de la con	interfaces, but no more than 150 mA per interface
Power loss	
Power loss, typ.	4.5 W
Memory	
Type of memory	RAM
Work memory	
• integrated	1.4 Mbyte
integrated (for program)	700 kbyte
integrated (for data)	700 kbyte
expandable	No
Load memory	
expandable FEPROM	Yes; with Memory Card (FLASH)
expandable FEPROM, max.	64 Mbyte
 integrated RAM, max. 	256 kbyte
expandable RAM	Yes; with Memory Card (RAM)
expandable RAM, max.	16 Mbyte
Backup	
• present	Yes
with battery	Yes; all data
without battery	No
Battery	
Backup battery	
 Backup current, typ. 	550 μA
Backup current, max.	1 530 μΑ
Backup time, max.	144 d
Feeding of external backup voltage to CPU	5 V DC to 15 V DC
CPU processing times	
for bit operations, typ.	0.06 µs
for word operations, typ.	0.06 µs
for fixed point arithmetic, typ.	0.06 µs
for floating point arithmetic, typ.	0.18 µs
CPU-blocks	
DB	

- Number may	4 OOF, DD 0 recorded
Number, max. Sing, may.	4 095; DB 0 reserved
• Size, max.	64 kbyte
FB	2.040
Number, max. Oira max. Oira max. Oira max. Oira max.	2 048
• Size, max.	64 kbyte
FC	0.040
Number, max.	2 048
• Size, max.	64 kbyte
OB	and the later than the
Number, max. Oira max. Oira max. Oira max. Oira max.	see instruction list
Size, max. Number of time alarm ORa	64 kbyte
Number of time alarm OBs	4
Number of delay alarm OBs	4
Number of cyclic interrupt OBs	4
Number of process alarm OBs	4
Number of multicomputing OBs	1
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
— preset	Z 0 to Z 7
Counting range	
— lower limit	0
— upper limit	999
IEC counter	
• present	Yes
• Type	SFB
S7 times	
Number	2 048
Retentivity	
— adjustable	Yes
— preset	No times retentive
Time range	
— lower limit	10 ms
— upper limit	9 990 s
IEC timer	
• present	Yes
 Type 	SFB
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
Retentivity available	Yes; From MB 0 to MB 8 191
 Retentivity preset 	MB 0 to MB 15
 Number of clock memories 	
	8; 1 memory byte
Local data	
	8; 1 memory byte 16 kbyte
Local data	8; 1 memory byte
Local data • adjustable, max. • preset	8; 1 memory byte 16 kbyte
Local data • adjustable, max. • preset	8; 1 memory byte 16 kbyte
Local data ■ adjustable, max. ■ preset Address area	8; 1 memory byte 16 kbyte
Local data • adjustable, max. • preset Address area I/O address area	8; 1 memory byte 16 kbyte 8 kbyte
Local data • adjustable, max. • preset Address area I/O address area • Inputs	8; 1 memory byte 16 kbyte 8 kbyte 8 kbyte
Local data • adjustable, max. • preset Address area I/O address area • Inputs • Outputs	8; 1 memory byte 16 kbyte 8 kbyte 8 kbyte
Local data • adjustable, max. • preset Address area I/O address area • Inputs • Outputs Process image	8; 1 memory byte 16 kbyte 8 kbyte 8 kbyte 8 kbyte

Computer violation and control and process image 24 byte	Outputs default	256 byte
Access to consistent data in process image Yes	Outputs, default consistent data, may	·
Number of outputs images, max. 16		
Number of subprocess images, max. 15		165
Digital channels	•	15
• Injurys		10
- of which central 65 536 - Outputs 65 536 - Johnston 65 536		65.536
Outputs	·	
of which central ce		
Analog channels	·	
• Inputs		00 000
Outputs		4.096
- Outputs	*	
Hardware configuration Number of expansion units, max. 21; of which 6 ER with K-bus connectable OPs Multicomputing Number of expansion units, max. 21; of which 6 ER with K-bus 31 without message processing, 8 with message processing Number of connectable IMs (total), max. Number of connectable IMs (total), max. Number of connectable IM 480s, max. Number of connectable IM 480s, max. Number of connectable IM 480s, max. Number of DP masters 1 integrated 1 integr		
Number of conscious in the same of the sam	•	
Number of expansion units, max. connectable OPS 31 without message processing, 8 with message processing 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 460s, max. • Number of connectable IM 463s, max. • Number of connectable IM 463s, max. • Number of connectable IM 463s, max. • Integrated • via CP • via IM 467 • Mixed mode IM 4 CP permitted • via interface module • Number of pluggable SS modules (via adapter capsule in central device), max. Number of pergate EMs and CPs (recommended) • FM • CP, PIP • CP, LN • PROFIBUS and Ethernet CPs Slots • required slots • required slots • required slots • required slots • Resolution • Deviation per day (furifered), max. • Poeviation per day (furifered), max. • Number • Range of values • Number • Number of general Performance • Range of values • Granularity • reteritive • reserved • resuling the master • ves • on DP, device • res • on DP, device • Yes		+ 000
connectable OPs Multicomputing Ves; 4 CPUs max. (with UR1 or UR2) Interface modules Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of CPP masters Integrated Via CP Via IM 467 Nixed mode IM + CP permitted No; IM 467 cannot be used jointly with CP 443-5 Ext. Viright of CP Via IM 467 Number of pluggable SS modules (via adapter capsule in central device), max. Number of poperable FMs and CPs (recommended) FM CP, IPP CP, LAN PROFIBUS and Ethernet CPs Slots required slots required slots required slots required slots required slots PROFIGUES and Ethernet CPs Slots PROFIGUES and Ethernet CPs Slots PROFIGUES and Special Service S		21: of which 6 FR with K-bus
Multicomputing Interface modules Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of connectable IM 460s, max. Number of connectable IM 460s, max. Number of CP masters Integrated Number of CP masters Integrated No; IM 467 No; IM 467-5 Extended No; IM 467 Mixed mode IM + CP permitted Number of pluggable SS modules (via adapter capsule in central device), max. Number of operable FMs and CPs (recommended) FM CP, PiP CP, LAN PROFIGUS and Ethernet CPs It imited by number of slots and number of connections CP 440: Limited by number of slots and number of connections CP 441: Imited by number of slots and number of connections CP 443-5 Ext. and IM 467 required slots required slots PROFIGUS and Ethernet CPs Timo of day Clock Hardware clock (real-time) Previation per day (furthered), max. Previation per day (furthered)		
Interface modules • Number of connectable IMs (total), max. • Number of connectable IM 460s, max. • Number of connectable IM 460s, max. • Number of connectable IM 460s, max. • Number of DP masters • Integrated • via CP • via IM 467 • Mixed mode IM + CP permitted • via interface module • Number of pluggable S5 modules (via adapter capsule in central device), max. Number of perable FMs and CPs (recommended) • FM • CP, PIP • CP, LAN • PROFIGIUS and Ethernet CPs Slots • required slots Time of day Clock • Hardware clock (real-time) • retentive and synchronizable • retentive and synchronizable • Resolution • Deviation per day (buffered), max. • Deviation per day (buffer		
Number of connectable IMs (total), max. Number of connectable IM 460s, max. Number of Connectable IM 463s, max. Number of DP masters integrated via CP via IM 467 Mixed mode IM + CP permitted No; IM 467 cannot be used jointly with CP 443-5 Ext. 1: IF 964-DP No; IM 467 cannot be used jointly with CP 443-5 Ext. 1: IF 964-DP FM Cunited by number of slots and number of connections FM CP, PIP CP 440: Limited by number of slots, CP 441: limited by number of connections Limited by number of slots, CP 441: limited by number of connections PROFIBUS and Ethernet CPs Ves Ves required slots required slots Ves Resolution Deviation per day (unbuffered), max. Deviation per day (100, 4 Of Oo max. (with Of Cl Cl)
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Number of connectable IM 463s, max. 4; IM 463-2 Number of DP masters integrated via CP via IM 467 AMixed mode IM + CP permitted No; IM 467 cannot be used jointly with CP 443-5 Ext. 1; IF 964-DP Number of pluggable SS modules (via adapter capsule in central device), max. FM CP, PIP CP, LAN PROFIBUS and Ethernet CPs 14; Incl. CP 443-5 Ext. and IM 467 Clock Hardware clock (real-time) Resolution Pretentive and synchronizable Resolution Deviation per day (buffered), max. Deviation per day (buffered), max. Deviation per day (buffered), max. Page of values Number Nu		
Integrated 2 10; CP 443-5 Extended 2 10; CP 443-5 Extended 2 10; CP 443-5 Extended 4 10; CP 443-5 Extended 10; CP 443-5 Ext. 1 10; CP 443-5 Ext. 1 1 10; CP 443-5 Ext. 1 1 1 1 1 1 1 1 1	·	
integrated via CP via IM 467 via IM 467 Alixed mode IM + CP permitted No; IM 467 cannot be used jointly with CP 443-5 Ext. it if 964-DP Number of plugable S5 modules (via adapter capsule in central device), max. Number of operable FMs and CPs (recommended) FM CP, PP CP, LAN PROFIBUS and Ethernet CPs Limited by number of slots and number of connections PROFIBUS and Ethernet CPs Limited by number of slots and number of connections Limited by number of slots, CP 441: limited by number of connections required slots required slots required slots 2 Time of day Clock Hardware clock (real-time) Presentive and synchronizable Resolution Deviation per day (buffered), max. Deviation per day (unbuffered), max. Bovenian per day (unbuffered), max. Bovenian per day (unbuffered), max. Bovenian per day (unbuffered), max. Coperating hours counter Number Range of values Granularity The Marker Clock synchronization Supported Ves On MPI, master On DP, device Yes		4, 11/1 403-2
via CP via IM 467 Mixed mode IM + CP permitted via interface module Number of plugable S5 modules (via adapter capsule in central device), max. Number of operable FMs and CPs (recommended) FM CP, PIP CP 440: Limited by number of slots and number of connections PROFIBUS and Ethernet CPs 14; incl. CP 443-5 Ext. and IM 467 Slots PROFIBUS and Ethernet CPs 14; incl. CP 443-5 Ext. and IM 467 Slots required slots retentive and synchronizable Resolution Deviation per day (buffered), max. Deviation per day (buffered), max. Deviation per day (unbuffered), max. Deviation per day (unbuffered), max. Deparating hours counter Number Number Number Number 8 Number 10 to 7 Range of values Granularity 1 h retentive Substitute Substitute On MPI, master On MPI, device Top, master On DP, device Tope May Number 10 to Py Ses Constants 10 to Py Ses Con		3
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Fine of day Clock ● Hardware clock (real-time) ● retentive and synchronizable ● Resolution ● Deviation per day (buffered), max. ● Deviation per day (unbuffered), max. ● Deviation per day (unbuffered), max. ● Deviation per day (unbuffered), max. ● Number ● Number ● Number ● Number 8 ● Number/Number range ● O to 7 ● Range of values ● Granularity ● retentive Clock synchronization ● supported ● to MPI, master ● to MPI, master ● on MPI, device ● to DP, master ● on DP, device Yes Yes ● on DP, device Yes ● on DP, device Yes	• CP, LAN	Limited by number of slots and number of connections
required slots Time of day Clock Hardware clock (real-time)	 PROFIBUS and Ethernet CPs 	14; incl. CP 443-5 Ext. and IM 467
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Operating hours counter Number Number Number/Number range O to 7 Range of values Granularity retentive Yes Clock synchronization supported to MPI, master on MPI, device to DP, master on DP, device Yes	 Deviation per day (buffered), max. 	1.7 s; Power on
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 Granularity retentive Yes Clock synchronization supported to MPI, master on MPI, device to DP, master on DP, device Yes 	 Number/Number range 	0 to 7
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Clock synchronization • supported • to MPI, master • on MPI, device • to DP, master • on DP, device Yes • on DP, device Yes	Granularity	1 h
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 to MPI, master on MPI, device to DP, master on DP, device Yes on DP, device Yes 	Clock synchronization	
 on MPI, device to DP, master on DP, device Yes Yes Yes 	• supported	Yes
 to DP, master on DP, device Yes Yes 	• to MPI, master	Yes
• on DP, device Yes	• on MPI, device	Yes
	• to DP, master	Yes
• in AS, master	• on DP, device	Vec
	a in AC moster	165
• in AS, device Yes	• III A5, master	
• to IF 964 DP Yes; as Master or Slave		Yes
1. Interface	• in AS, device	Yes Yes

Interface type	MPI/PROFIBUS DP
Isolated	Yes
Interface types	100
• RS 485	Yes
	150 mA
Output current of the interface, max. Pretected.	130 IIIA
Protocols	Voa
• MPI	Yes
PROFIBUS DP master	Yes
PROFIBUS DP device	Yes
MPI	
Number of connections	32
Transmission rate, max.	12 Mbit/s
Services	
— PG/OP communication	Yes
— Routing	Yes
 Global data communication 	Yes
— S7 basic communication	Yes
— S7 communication	Yes
PROFIBUS DP master	
 Number of connections, max. 	16
 Transmission rate, max. 	12 Mbit/s
• max. number of DP devices	32
Services	
— PG/OP communication	Yes
— Routing	Yes
 S7 basic communication 	Yes
— S7 communication	Yes
— Equidistance	Yes
— SYNC/FREEZE	Yes
 activation/deactivation of DP devices 	Yes
 Direct data exchange (slave-to-slave 	Yes
communication)	
Address area	
— Inputs, max.	2 kbyte
— Outputs, max.	2 kbyte
User data per DP device	
— 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://www.siemens.com/profibus-qsd
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	,
— PG/OP communication	Yes
— Routing	Yes
Transfer memory	
	244 byte
— Inputs	
— Outputs	244 byte
2. Interface	DDOCIDUS DD
Interface type	PROFIBUS DP
Isolated	Yes
Interface types	
• RS 485	Yes
Output current of the interface, max.	150 mA
Protocols	
PROFIBUS DP master	Yes

PROFIBUS OP master	PROFIBUS DP device	Yes
Number of connections, max. Table by the services of the serv		
Transmission rate, max - max x number of DP devices Services - PGUP communication - Rouding - Rouding - Rouding - Strates communication - ST communication - ST communication - Equidistance - ST communication - ST communication - Equidistance - ST communication - ST communication - Equidistance - ST communication - ST communication - ST communication - Address area - Inputs, max - Outputs, max - Outputs, max - Dutputs, max - Per stut, max - Address area max - Address area, max - Outputs of an aprace area, max - Outputs of a per address area, max - Outputs - Rouding - Strates - Rouding		16
Services - PCICP communication Yes - Routing Yes - Chief late communication Yes - St basic communication Yes - Equidistance Yes - STNORFREEZE Yes - activation/deactivation of DP devices Yes - Direct date exchange (slave-to-slave communication) Address area - Inputs, max. 0, kbytrg - Inputs, max. 0, kbytrg - Outputs, max. 0, kbytrg - Inputs, max. 244 byte - Outputs, max. 244 byte - Inputs, max. 244 byte - Stoke, max. 245 byte - Inputs 244 byt		
Services		
Rouling		Yes
Global data communication		
	9	Yes
Equidistance SYNOFREEZE SYNOFREEZE activation/deactivation of DP devices Direct data exchange (slave to-slave communication) Address area Inputs, max, Outputs, max, Der slot, max, Per slot, max, Outputs,	— S7 basic communication	Yes
- SYNC/FREZE	— S7 communication	Yes
activation/deactivation of DP devices Direct data exchange (slave-to-slave Yes Communication) Address area Injuts, max. 6 kbyte Outputs, max. 6 kbyte User data per DP device Injuts, max. 244 byte Outputs, max. 244 byte Outputs, max. 244 byte Slots, max. 244 byte Slots, max. 244 byte Slots, max. 244 byte Slots, max. 244 byte Per slot, max. 128 byte Transmission rate, max. 32 byte Transmission rate, max. 32 byte Or which consistent, max. 32 byte Outputs Routing Routing Routing Outputs Outpu	— Equidistance	Yes
- Direct data exchange (slave-to-slave communication) Address area - Inputs, max - Outputs, max - Slots, max - Per slot, max - Per sl	— SYNC/FREEZE	Yes
communication) Address area - Inputs, max. 6 kbyte - Outputs, max. 6 kbyte - Outputs, max. 6 kbyte - Inputs, max. 244 byte - Inputs, max. 244 byte - Outputs, max. 244 byte - Slots, max 244 byte - Slots, max 244 byte - Free Stot, max. 244 byte - Inputs, max. 244 byte - Slots, max 25 byte - Inputs, max. 25 byte - Inputs, max. 25 byte - Inputs, max. 26 byte - Transmission rate, max. 27 byte - Address area, max. 32 byte - Outputs, max. 32 byte - Outputs, max. 32 byte - Inputs 26 byte - Routing Yes - Routing Yes - Inputs 244 byte - Outputs 244 byte - Outputs 244 byte - Outputs 244 byte - Outputs 25 byte - Outputs 26 byte - Outputs 27 byte - Inputs 26 byte - Interface byte - Interfa	 activation/deactivation of DP devices 	Yes
Address area - Inputs, max. 6 ktyte - Outputs, max. 244 byte - Inputs, max. 244 byte - Stots, max. 128 byte - Transmission rate, max. 245 byte - Ves - Ves - Routing - Strick - Strick - Routing - Ro		Yes
Inputs, max. 6 kbyte Outputs, max. 6 kbyte User data per DP device Inputs, max. 244 byte Outputs, max. 244 byte Outputs, max. 244 byte Outputs, max. 244 byte Stots, max. 244 byte per slot, max. 244 byte per slot, max. 244 byte per slot, max. 32 byte Transmission rate, max. 32 byte Outputs area, max. 32 byte Outputs area, max. 32 byte Outputs area, max. 32 byte Routing Yes Routing Yes Routing Yes Routing Yes Routing Yes Outputs 244 byte Outputs 35 area, area	·	
User data per DP device		6 khyta
User data per DP device - Inputs, max Outputs, max Slots, max per slot, max per slot, max Address are, max Address are, max Address are, max Outputs - Routing - Routing - Routing - Inputs - Outputs - O	•	
Inputs, max. 244 byte Outputs, max. 244 byte Stots, max. 244 Per stot, max. 244 Per stot, max. 244 Per stot, max. 244 Per stot, max. 25 byte Stots, max. 26 Per stot, max. 27 Per stot, max. 28 Per stot, max. 32 Per stot, max. 32 Per stot, max. 32 Per stot, max. 32 byte Per stot, max. 3		O RDyte
- Outputs, max. 244 - Siots, max. 244 - Siots, max. 244 - per slot, max. 128 byte 2nd interface / PROFIBUS DP device / header • Transmission rate, max. 12 Mbit/s • Address area, max. 32 byte - of which consistent, max. 32 byte - of which consistent, max. 32 byte - of which consistent, max. 32 byte - Routing Yes Transfer memory - Inputs - Outputs 244 byte - Outputs 244 byte - Outputs 244 byte 3. Interface - Plug-in interface modules IF 984-DP - Protocols - SIMATIC communication • \$7 routing Yes Lacet at a per isochronous slave, max. 244 byte - User data per isochronous slave, max. 244 byte - Shorter clock pulse 1 ms - max. cycle 32 ms - Number of connectable OPs with message processing • Number of connectable OPs without message processing • Number of Connectable OPs without message processing • Number of GD packets, transmitter, max. 8 • Number of GD packets, transmitter, max. 9 • Size of GD packets, max. 14 arable - Size of GD packets, max. 15 byte - User data per job, max. 16 byte - Size of GD packets, max. 16 - Size of GD packets, max. 16 - Size of GD packets, max. 17 byte - User data per job, max. 76 byte - User data per job, max. 76 byte		244 hyte
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Profision rate, max. • Transmission rate, max. • Address area, max. • Ouser data per address area, max. • User data per address area, max. — of which consistent, max. 32 byte — Routing — Routing — Routing — Prospective Services — Routing — Linguits — Outputs — Profision — Plug-in interface Interface byte — Plug-in interface modules Interface Protocols SIMATIC communication • S7 routing — Yes Isochronous mode Equidistance — Yes User data per isochronous slave, max. — Yes User data per isochronous slave, max. — Author of Communication • Number of connectable OPs without message processing • Number of connectable OPs without message processing • Number of GD packets, transmitter, max. • Number of GD packets, max. • Size of GD p		
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		master mode via: SFC I_GET and I_PUT
User data per job (of which consistent), max. 1 variable		
	User data per job (of which consistent), max.	1 variable

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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
Standard communication (FMS)	
• supported	Yes; Via CP and loadable FB
Number of connections	
• overall	32
usable for PG communication	
— reserved for PG communication	1
usable for OP communication	
	4
— reserved for OP communication	1
S7 message functions	
Number of login stations for message functions, max.	8
Symbol-related messages	Yes
Program alarms	Yes
simultaneously active Alarm_S blocks, max.	100; ALARM_S/SQ blocks or ALARM_D/DQ blocks
Alarm 8-blocks	Yes
 Number of instances for alarm 8 and S7 communication 	600
blocks, max.	
• preset, max.	300
Process control messages	Yes
Number of archives that can log on simultaneously (SFB 37	16
AR_SEND)	
Number of messages	540
• 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	
Status block	Yes
Single step	Yes
Number of breakpoints	4
Status/control	
Status/control variable	Yes
Variables	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Number of variables, max.	70
Forcing	
• Forcing	Yes
-	
Forcing, variables Number of variables, may	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
configuration / header	
Configuration software	
• STEP 7	Yes
configuration / programming / header	
Command set	see instruction list
Nesting levels	8

 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
configuration / programming / number of simultaneously active	SFC / header
— DPSYC_FR	2
— D_ACT_DP	4
— RD_REC	8
— WR_REC	8
— WR_PARM	8
— PARM_MOD	1
— WR_DPARM	2
— DPNRM_DG	8
— RDSYSST	8; 1 to 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
Dimensions	
Width	50 mm
Height	290 mm
Depth	219 mm
Weights	
Weight, approx.	1 070 g

12/8/2024

last modified: