Data sheet

6ES7416-5HS06-0AB0



SIMATIC S7-400H, CPU 416-5H, central processing unit for S7-400H and S7-400F/FH, 5 interfaces: 1x MPI/DP, 1x DP, 1x PN and 2 for sync modules, 16 MB memory (10 MB data/6 MB program)

General information	
Product type designation	CPU 416-5H PN/DP
HW functional status	1
Firmware version	V6.0
Product function	
Isochronous mode	No
Engineering with	
 Programming package 	As of STEP 7 V5.5 SP2 with HF1
CiR - Configuration in RUN	
CiR synchronization time, basic load	100 ms
CiR synchronization time, time per I/O byte	0 μs
Supply voltage	
Rated value (DC)	Power supply via system power supply
Input current	
from backplane bus 5 V DC, typ.	1.6 A
from backplane bus 5 V DC, max.	1.9 A
from backplane bus 24 V DC, max.	150 mA; 150 mA per DP interface
from interface 5 V DC, max.	90 mA; At each DP interface
Power loss	
Power loss, typ.	7.5 W
Memory	
Type of memory	RAM
Work memory	
• integrated	16 Mbyte
integrated (for program)	6 Mbyte
integrated (for data)	10 Mbyte
expandable	No
Load memory	
 expandable FEPROM 	Yes; with Memory Card (FLASH)
 expandable FEPROM, max. 	64 Mbyte
integrated RAM, max.	1 Mbyte
 expandable RAM 	Yes
expandable RAM, max.	64 Mbyte
Backup	
present	Yes
with battery	Yes; all data
without battery	No
Battery	
Backup battery	
backup current / of backup battery / typical	180 μA; Valid up to 40°C

 backup current / of backup battery / maximum 	1 000 μΑ
 buffer time / of backup battery / maximum 	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	3 7 20 10 10 7 20
for bit operations, typ.	12.5 ns
for word operations, typ.	12.5 ns
for fixed point arithmetic, typ.	12.5 ns
for floating point arithmetic, typ.	25 ns
CPU-blocks	20110
DB	
Number, max.	16 000; Number range: 1 to 16000
• Size, max.	64 kbyte
FB	· majic
Number, max.	8 000; Number range: 0 to 7999
• Size, max.	64 kbyte
FC	
Number, max.	8 000; 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	8; OB 10-17
 Number of delay alarm OBs 	4; OB 20-23
 Number of cyclic interrupt OBs 	9; OB 30-38
 Number of process alarm OBs 	8; OB 40-47
 Number of DPV1 alarm OBs 	3; OB 55-57
 Number of startup OBs 	2; OB 100, 102
 Number of asynchronous error OBs 	9; OB 80-88
 Number of synchronous error OBs 	2; OB 121, 122
	=, :=-; :==
Nesting depth	
	24
Nesting depth	
Nesting depth ● per priority class	24
Nesting depth • per priority class • additional within an error OB	24
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity	24
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter	24 2
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable	24 2
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit	24 2 2 048 Yes 0
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit	24 2 2 048 Yes 0 2 047
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset	24 2 2 048 Yes 0
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset Counting range	24 2 2 048 Yes 0 2 047 Z 0 to Z 7
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset Counting range — lower limit	24 2 2 048 Yes 0 2 047 Z 0 to Z 7
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset Counting range — lower limit — upper limit — upper limit — upper limit	24 2 2 048 Yes 0 2 047 Z 0 to Z 7
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Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset Counting range — lower limit — upper limit — upper limit — tower limit — upper limit — upper limit — upper limit IEC counter • present • Type • Number	24 2 048 Yes 0 2 047 Z 0 to Z 7
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset Counting range — lower limit — upper limit — upper limit	24 2 2 048 Yes 0 2 047 Z 0 to Z 7 0 999 Yes SFB Unlimited (limited only by RAM capacity)
Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset Counting range — lower limit — upper limit — upper limit	24 2 24 2 248 2 2048 Yes 0 2 2047 2 0 to Z 7 0 999 Yes SFB
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Nesting depth • per priority class • additional within an error OB Counters, timers and their retentivity S7 counter • Number Retentivity — adjustable — lower limit — upper limit — preset Counting range — lower limit — upper limit IEC counter • present • Type • Number S7 times • Number Retentivity — adjustable — lower limit — upper limit — upper limit — preset Time range — lower limit — preset Time range — lower limit	24 2 2 048 Yes 0 2 047 Z 0 to Z 7 0 999 Yes SFB Unlimited (limited only by RAM capacity) 2 048 Yes 0 2 047 No times retentive

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Relativity preset Number of clock memories Relativity preset Address area Outputs		
Number of clock memories	•	MB 0 to MB 15
Address area	• •	8; in 1 memory byte
Address area	Local data	
Address area ID address area Inputs 16 kbyte 1	adjustable, max.	64 kbyte
Figure F	• preset	32 kbyte
• Inputs	Address area	
	I/O address area	
Process image	• Inputs	16 kbyte
Inputs, adjustable 16 kbyte	Outputs	16 kbyte
Outputs, adjustable inputs, default inputs	Process image	
Inputs, default Outputs, default Outputs, default Outputs, default Outputs, default Outputs Outp	 Inputs, adjustable 	16 kbyte
Outputs, default	 Outputs, adjustable 	16 kbyte
Consistent data, max. Access to consistent data in process image Subprocess images Number of subprocess images, max. Inputs Inputs Outputs Ou	 Inputs, default 	1 024 byte
Access to consistent data in process image Number of subprocess images, max. Is Digital channels Inputs Outputs Outputs Inputs	Outputs, default	1 024 byte
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Number of subprocess images, max. Digital channels	Access to consistent data in process image	Yes
Inputs	Subprocess images	
Inputs		15
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number of slots and number of connections • PROFIBUS and Ethernet CPs 14; Of which max. 10 CP as DP master Slots • required slots 2 Time of day		
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• required slots 2 Time of day		THE OF WHICH HIGH. TO OF AS DE HIGSTOR
Time of day		2
	·	

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; 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	1h
• 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
• in AS, slave	Yes
on Ethernet via NTP	Yes; As client
Time difference in system when synchronizing via	
• Ethernet, max.	10 ms; Via NTP
• MPI, max.	200 ms
Interfaces	
Number of RS 485 interfaces	2
Number of other interfaces	2; Fiber-optic interface
Optical interface	No
1. Interface	MANUFACTION OF THE STATE OF THE
Interface type	MPI/PROFIBUS DP
Isolated	Yes
Interface types	· ·
• RS 485	Yes
Output current of the interface, max.	150 mA
Protocols	V
• MPI	Yes
PROFIBUS DP master	Yes
PROFIBUS DP slave	No
MPI	
 Number of connections 	44; 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	12 Moto
— PG/OP communication	Yes
— Routing	Yes
Routing Global data communication	
— Global data communication	No
Global data communicationS7 basic communication	No No
Global data communicationS7 basic communicationS7 communication	No No Yes
 Global data communication S7 basic communication S7 communication S7 communication, as client 	No No Yes Yes
 Global data communication S7 basic communication S7 communication S7 communication, as client S7 communication, as server 	No No Yes
Global data communication S7 basic communication S7 communication S7 communication, as client S7 communication, as server PROFIBUS DP master	No No Yes Yes
 Global data communication S7 basic communication S7 communication S7 communication, as client S7 communication, as server 	No No Yes Yes
Global data communication S7 basic communication S7 communication S7 communication, as client S7 communication, as server PROFIBUS DP master	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection
 Global data communication S7 basic communication S7 communication S7 communication, as client S7 communication, as server PROFIBUS DP master Number of connections, max. 	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1
- Global data communication - S7 basic communication - S7 communication - S7 communication, as client - S7 communication, as server PROFIBUS DP master Number of connections, max. Transmission rate, max.	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s
— Global data communication — S7 basic communication — S7 communication — S7 communication, as client — S7 communication, as server PROFIBUS DP master • Number of connections, max. • Transmission rate, max. • Number of DP slaves, max.	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s
- Global data communication - S7 basic communication - S7 communication - S7 communication, as client - S7 communication, as server PROFIBUS DP master Number of connections, max. Transmission rate, max. Number of DP slaves, max. Services	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s 32
— Global data communication — S7 basic communication — S7 communication — S7 communication, as client — S7 communication, as server PROFIBUS DP master • Number of connections, max. • Transmission rate, max. • Number of DP slaves, max. Services — PG/OP communication	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s 32 Yes
- Global data communication - S7 basic communication - S7 communication - S7 communication, as client - S7 communication, as server PROFIBUS DP master Number of connections, max. Transmission rate, max. Number of DP slaves, max. Services - PG/OP communication - Routing	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s 32 Yes Yes
- Global data communication - S7 basic communication - S7 communication - S7 communication, as client - S7 communication, as server PROFIBUS DP master Number of connections, max. Transmission rate, max. Number of DP slaves, max. Services - PG/OP communication - Routing - Global data communication	No No Yes Yes Yes Yes 32; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s 32 Yes Yes No

 S7 communication, as server 	Yes
— Equidistance	No
— Isochronous mode	No
— SYNC/FREEZE	No
 Activation/deactivation of DP slaves 	No
 Direct data exchange (slave-to-slave communication) 	No
— DPV1	Yes
Address area	
— Inputs, max.	2 kbyte
— Outputs, max.	2 kbyte
User data per DP slave	
User data per DP slave, max.	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte
— Slots, max.	244
— per slot, max.	128 byte
PROFIBUS DP slave	
Number of connections	No configuration of CPU as DP slave
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	No
Number of connection resources	96
Interface types	
RJ 45 (Ethernet)	Yes
 Number of ports 	2
integrated switch	Yes
Protocols	
PROFINET IO Controller	Yes
PROFINET IO Device	No
PROFINET CBA	No
PROFIBUS DP master	No
PROFIBUS DP slave	No
Open IE communication	Yes
Web server	No
Point-to-point connection	No
Media redundancy	Yes
PROFINET IO Controller	400 M %
Transmission rate, max.	100 Mbit/s
Services	W.
— PG/OP communication	Yes
— S7 communication	Yes
— Isochronous mode	No
— Shared device	Yes; Single mode only
— Prioritized startup	No
Number of connectable IO Devices, max.	256; In redundant mode via both interfaces
Number of connectable IO Devices for RT, max.	256
— of which in line, max.	256
Activation/deactivation of IO Devices	No No
— IO Devices changing during operation (partner ports), supported	No
Device replacement without swap medium	Yes
— Send cycles	250 μs, 500 μs, 1 ms, 2 ms, 4 ms
— Updating time	250 µs to 512 ms, minimum value depends on the number of configured user data and the configured single or redundant mode
Address area	
— Inputs, max.	8 kbyte
— Outputs, max.	8 kbyte

User data consistency, max.	1 024 byte
Open IE communication	1 UZ4 DYIC
Number of connections, max.	94
Local port numbers used at the system end	0, 20, 21, 25, 102, 135, 161, 34962, 34963, 34964, 65532, 65533, 65534, 65535
 Keep-alive function, supported 	Yes
3. Interface	
Interface type	PROFIBUS DP
Number of connection resources	32
Interface types	
• RS 485	Yes
 Output current of the interface, max. 	150 mA
Protocols	
 PROFIBUS DP master 	Yes
PROFIBUS DP slave	No
PROFIBUS DP master	
 Number of connections, max. 	32
• Transmission rate, max.	12 Mbit/s
Number of DP slaves, max.	125
Services	Ver
— PG/OP communication	Yes
— Routing— Global data communication	Yes
	No
— S7 basic communication	No Yes
— S7 communication— S7 communication, as client	Yes
— S7 communication, as server	Yes
— Equidistance	No
Legitalistance Isochronous mode	No
— SYNC/FREEZE	No
Activation/deactivation of DP slaves	No
Direct data exchange (slave-to-slave communication)	No
— DPV0	Yes
— DPV1	Yes
Address area	
— Inputs, max.	8 kbyte
— Outputs, max.	8 kbyte
User data per DP slave	
— User data per DP slave, max.	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte
— Slots, max.	244
— per slot, max.	128 byte
4. Interface	Dhuggahla aynahranization ayharadyla (FO)
Interface type	Pluggable synchronization submodule (FO)
Plug-in interface modules	Synchronization modules 6ES7960-1AA06-0XA0 or 6ES7960-1AB06-0XA0
5. Interface	Pluggable synchronization submodule (EQ)
Interface type Plug-in interface modules	Pluggable synchronization submodule (FO) Synchronization modules 6ES7960-1AA06-0XA0 or 6ES7960-1AB06-0XA0
Protocols	Synthionization modules 0E57300-17400-0740 01 0E57300-14600-0740
Redundancy mode	
Media redundancy	
Switchover time on line break, typ.	200 ms
- Number of stations in the ring, max.	50
SIMATIC communication	
• S7 routing	Yes
Open IE communication	
• TCP/IP	Yes; via integrated PROFINET interface and loadable FBs
 Number of connections, max. 	94
— Data length, max.	32 kbyte
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 several passive connections per port, supported 	Yes
• ISO-on-TCP (RFC1006)	Yes; Via integrated PROFINET interface or CP 443-1 and loadable FBs
 Number of connections, max. 	94
— Data length, max.	32 kbyte; 1 452 bytes via CP 443-1 Adv.
• UDP	Yes; via integrated PROFINET interface and loadable FBs
 Number of connections, max. 	94
— Data length, max.	1 472 byte
Web server	
• supported	No
Isochronous mode	
Equidistance	No
communication functions / header	
PG/OP communication	Yes
 Number of connectable OPs without message processing 	95
 Number of connectable OPs with message processing 	95; When using Alarm_S/SQ and Alarm_D/DQ
Data record routing	Yes
Global data communication	
• supported	No
S7 basic communication	
communication function / S7 basic communication	No
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 CP max. 10 and FC AG_SEND and FC AG_RECV)
User data per job, max.	8 kbyte
 User data per job (of which consistent), max. 	240 byte
Number of simultaneous AG-SEND/AG-RECV orders per	64/64
CPU, max.	
Standard communication (FMS)	
• supported	Yes; Via CP and loadable FB
Number of connections	
• overall	96
 usable for PG communication 	
 reserved for PG communication 	1
 adjustable for PG communication, max. 	0
 usable for OP communication 	
 reserved for OP communication 	1
 adjustable for OP communication, max. 	0
 usable for S7 basic communication 	
 reserved for S7 basic communication 	0
 adjustable for S7 basic communication, max. 	0
 usable for S7 communication 	
 reserved for S7 communication 	0
 adjustable for S7 communication, max. 	0
 usable for routing 	
 reserved for routing 	0
adjustable for routing, max.	0
S7 message functions	
Number of login stations for message functions, max.	95; Max. 95 with Alarm_S/SQ and Alarm_D/DQ (OPs); max. 16 with Alarm, Alarm_8, Alarm_8P, Notify and Notify_8 (e.g. WinCC)
Symbol-related messages	No
SCAN procedure	No
Program alarms	Yes
Process diagnostic messages	Yes
simultaneously active Alarm-S blocks, max.	1 000; Simultaneously active alarm_S/SQ blocks or alarm_D/DQ blocks
Alarm 8-blocks	Yes
 Number of instances for alarm 8 and S7 communication 	10 000

blocks, max.	4,000
• preset, max.	1 200
Process control messages	Yes
Number of archives that can log on simultaneously (SFB 37 AR_SEND)	64
Test commissioning functions	
Status block	Yes
Single step	Yes
Number of breakpoints	16
Status/control	
 Status/control variable 	Yes; Up to 16 variable tables
 Variables 	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
 Number of variables, max. 	70
Forcing	
Forcing	Yes
 Forcing, variables 	Inputs/outputs, bit memories, distributed I/Os
 Number of variables, max. 	512
Diagnostic buffer	
• present	Yes
 Number of entries, max. 	3 200
— adjustable	Yes
— preset	120
Service data	
• can be read out	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
 Limit class A, for use in industrial areas 	Yes
 Limit class B, for use in residential areas 	No
configuration / header	
Configuration software	
OTED =	V
• STEP 7	Yes
STEP 7 configuration / programming / header	res
	yes see instruction list
configuration / programming / header	
configuration / programming / header • Command set	see instruction list
configuration / programming / header • Command set • Nesting levels	see instruction list
configuration / programming / header • Command set • Nesting levels • Access to consistent data in process image	see instruction list 7 Yes
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC)	see instruction list 7 Yes see instruction list
 configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) 	see instruction list 7 Yes see instruction list
 configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language 	see instruction list 7 Yes see instruction list see instruction list
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD	see instruction list 7 Yes see instruction list see instruction list
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL	see instruction list 7 Yes see instruction list see instruction list Yes Yes
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously actives	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously actives RD_REC	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously actives	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously actives RD_REC	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously actives RD_REC WR_REC	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active — RD_REC WR_REC WR_PARM	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes A Se SFC / header 8 8 8 1
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes A B B B B B B B B B B B B B B B B B B B
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG RDSYSST	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG RDSYSST DP_TOPOL	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RPARM PARM_MOD WR_DPARM PARM DPNRM_DG RDSYSST DP_TOPOL configuration / programming / number of simultaneously active	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG RDSYSST DP_TOPOL configuration / programming / number of simultaneously active RDSYSST	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes A SEFE / header 8 8 1 2 8 8 1 8 1 8 8 8 1 8 8 8 8 8 8
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG RDSYSST DP_TOPOL configuration / programming / number of simultaneously active RD_REC WR_REC WR_REC WR_DPARM DPNRM_DG RDSYSST DP_TOPOL configuration / programming / number of simultaneously active RDREC WRREC	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes A SEFE / header 8 8 1 2 8 8 1 8 1 8 8 8 1 8 8 8 8 8 8
configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG RDSYSST DP_TOPOL configuration / programming / number of simultaneously active RDSYSST DP_TOPOL configuration / programming / number of simultaneously active RDSYSST DP_TOPOL configuration / programming / number of simultaneously active RDREC WRREC	see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes SFC / header 8 8 8 1 2 8 8 1 2 8 8 8 8 8 8 8 8 8 8 8

Width	50 mm
Height	290 mm
Depth	219 mm
Weights	
Weight, approx.	995 g

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