SIEMENS

Data sheet

6ES7416-3FS06-0AB0



*********** Replacement part ********* SIMATIC S7-400, CPU416F-3 PN/DP Central processing unit with: work memory 16 MB, (8 MB code, 8 MB data), Interfaces: 1st interface MPI/DP 12 Mbit/s, (X1), 2nd interface Ethernet/PROFINET (X5), 3rd interface plug-in IFM module (IF1)

Figure similar

General Information Product type designation		
HW functional status O1 Firmware version V6.0 Product function I sochronous mode Engineering with Programming package STEP 7 V5.5 or higher/iMap V3.0 + iMap STEP 7 Add-on V3.0 SP5 or higher OIR - Configuration in RUN CIR synchronization time, basic load I 00 ms CIR synchronization time, time per I/O byte Supply voltage Rated value (DC) Power supply via system power supply Input current from backplane bus 5 V DC, max. If on backplane bus 5 V DC, max. If on backplane bus 5 V DC, max. If on backplane bus 2 V DC, max. If on backplane bus 2 V DC, max. Power loss, typ. Benory Type of memory I integrated I integrated I integrated (for program) I integrated (FAM) I in	General information	
Firmware version Product function Isochronous mode Isochronous mode Frogramming package Frogramming packa	Product type designation	CPU 416F-3 PN/DP
Product function Isochronous mode Isochronization time, basic load Isochronization time, basic load Isochronization time, basic load Isochronization time, basic load Isochronization time, time per I/O byte Isophy voltargo Isochronization time, time per I/O byte Isochronization time, time per	HW functional status	01
• Isochronous mode 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 CiR synchronization time, time per I/O byte 10 µs; Time per I/O byte Supply voitage 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 5 V DC, max. 90 mA; 150 mA per DP interface Power loss Power loss, typ. 6.5 W Memory Type of memory RAM Work memory • integrated (for program) • integrated (for program) • integrated (for data) • expandable FEPROM • expandable FEPROM • expandable FEPROM, max. • integrated RAM, max. • integrated RAM, max. • expandable RAM • expandable RAM • expandable RAM, max. • expandable RAM, max. • present • present • with battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery • without battery	Firmware version	V6.0
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 10 µs; Time per I/O byte Supply voitage Rated value (DC) 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. 90 mA; At each DP interface From interface 5 V DC, max. 90 mA; At each DP interface Power loss, typ. 6.5 W Memory Type of memory RAM Work memory integrated (for fotata) integrated (for fotata) expandable (FEPROM expandable FEPROM expandable FEPROM, max. 1 Mbyte expandable FEPROM, max. 1 Mbyte expandable FEPROM, max. 1 Mbyte expandable RAM, max. 1 Mbyte expand	Product function	
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CIR - Configuration in RUN CIR synchronization time, basic load CIR synchronization time, basic load 10 ms 10 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. 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 Power loss Power loss Type of memory Work memory integrated (for program) 8 Mbyte integrated (for program) 8 Mbyte integrated (for data) 8 Mbyte expandable No Load memory e expandable FEPROM expandable FEPROM, max. integrated FEPROM, max. integrated RAM, max. integrated RAM, max. integrated RAM, max. expandable RAM, max. expandable RAM, max. fer Mbyte expa	Engineering with	
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CiR synchronization time, 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. 90 mA; At each DP interface Power loss, typ. 8.5 W Memory Type of memory **Nork memory** **Integrated (for program)	CiR - Configuration in RUN	
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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 2 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 Memory Type of memory integrated (for program) 8 Mbyte integrated (for fodata) 8 Mbyte integrated (for data) 8 Mbyte expandable FEPROM Yes; with Memory Card (FLASH) expandable FEPROM, max. 64 Mbyte integrated RAM, max. 1 Mbyte expandable RAM Yes; with Memory Card (RAM) expandable RAM Yes; with Memory Card (RAM) expandable RAM Yes; with Memory Card (RAM) expandable RAM, max. 1 Mbyte expandable RAM, max. 1 Mbyte expandable RAM, max. 64 Mbyte expandable RAM, max. 94 Mbyte expandable RAM, max. 95 Wes; with Memory Card (RAM) expandable RAM, max. 96 Mbyte expandable RAM, max. 97 Wes; with Memory Card (RAM) expandable RAM, max. 98 With Memory Card (RAM) expandable RAM, max. 99 max.	CiR synchronization time, time per I/O byte	10 μs; Time per I/O byte
Input current from backplane bus 5 V DC, typ. from backplane bus 5 V DC, max. from backplane bus 24 V DC, max. from backplane bus 24 V DC, max. 90 mA; 150 mA per DP interface from interface 5 V DC, max. Power loss Power loss, typ. 6.5 W Memory Type of memory eintegrated integrated (for program) integrated (for data) expandable expandable Load memory expandable FEPROM expandable FEPROM, max. integrated RAM, max. integrated RAM, max. integrated RAM, max. for Mbyte expandable RAM exp	Supply voltage	
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from backplane bus 24 V DC, max. from interface 5 V DC, max. Power loss Power loss, typ. 6.5 W Memory Type of memory work memory integrated (for program) 8 Mbyte integrated (for data) 8 Mbyte integrated (for data) 8 Mbyte expandable FEPROM Yes; with Memory Card (FLASH) expandable FEPROM, max. integrated RAM, max. I Mbyte expandable RAM expandable RAM, max. I Mbyte expandable RAM expandable RAM, max. Ferror With Memory Card (RAM) expandable RAM, max. Ferror With Mem		1.5 A
from interface 5 V DC, max. Power loss Power loss, typ. 6.5 W Memory Type of memory integrated integrated (for program) integrated (for data) integrated (FLASH) integrated (FLASH) integrated RAM, max.	·	300 mA; 150 mA per DP interface
Power loss Power loss, typ. 6.5 W Memory Type of memory RAM Work memory integrated 16 Mbyte integrated (for program) 8 Mbyte integrated (for data) 8 Mbyte expandable No Load memory expandable FEPROM Yes; with Memory Card (FLASH) expandable FEPROM, max. 64 Mbyte integrated RAM, max. 1 Mbyte expandable FEPROM Yes; with Memory Card (RAM) expandable RAM Yes; with Memory Card (RAM) expandable RAM Yes; with Memory Card (RAM) expandable RAM, max. 64 Mbyte expandable RAM, max. 94 Mbyte expandable RAM, max. 95 Mbyte expandable RAM, max. 96 Mbyte Backup expensent Yes with battery Yes; all data expenses without battery Battery		
Power loss, typ. Memory Type of memory integrated integrated (for program) integrated (for data) integrated (for data) expandable Load memory expandable FEPROM expandable FEPROM, max. integrated RAM, max. expandable RAM expandable RAM expandable RAM expandable FEPROM for the data of the da		
Type of memory Work memory integrated integrated (for program) integrated (for data) expandable No Load memory expandable FEPROM expandable FEPROM, max. integrated RAM, max. expandable RAM expandable RAM, max. 64 Mbyte Backup expandable RAM expandable RAM, max. 64 Mbyte Backup expandable RAM, max. No Battery		6.5 W
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integrated integrated (for program) integrated (for data) integrated (for data) expandable Load memory expandable FEPROM expandable FEPROM, max. integrated RAM, max. expandable RAM expandable RAM expandable RAM expandable RAM expandable RAM expandable RAM, max. Yes; with Memory Card (FLASH) 64 Mbyte 1 Mbyte Yes; with Memory Card (RAM) expandable RAM, max. 64 Mbyte Present expandable RAM, max. Yes; with Memory Card (RAM) expandable RAM, max. 84 Mbyte Backup Yes; with Memory Card (RAM) expandable RAM, max. No Battery	Type of memory	RAM
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 expandable Load memory expandable FEPROM expandable FEPROM, max. integrated RAM, max. expandable RAM expandable RAM expandable RAM, max. for the simple state of the	• integrated (for program)	8 Mbyte
Load memory • expandable FEPROM • expandable FEPROM, max. • integrated RAM, max. • expandable RAM • expandable RAM • expandable RAM, max. • father and the series of the	• integrated (for data)	8 Mbyte
 expandable FEPROM expandable FEPROM, max. integrated RAM, max. expandable RAM expandable RAM expandable RAM, max. for the sequence of the seque	• expandable	No
 expandable FEPROM, max. integrated RAM, max. expandable RAM expandable RAM, max. 64 Mbyte Yes; with Memory Card (RAM) expandable RAM, max. 64 Mbyte Backup present with battery with battery without battery Pattery No Battery State of the property of t	Load memory	
 integrated RAM, max. expandable RAM expandable RAM, max. 64 Mbyte Backup present with battery with battery without battery Battery Integrated RAM, max. With Memory Card (RAM) 64 Mbyte Yes with Jattery without battery No Battery	expandable FEPROM	Yes; with Memory Card (FLASH)
 expandable RAM expandable RAM, max. Backup present with battery without battery without battery No Battery Yes; all data No	 expandable FEPROM, max. 	64 Mbyte
 expandable RAM, max. Backup present with battery without battery Without battery No Battery	• integrated RAM, max.	1 Mbyte
Backup • present • with battery • without battery Battery Page 1.2 Yes Yes Yes; all data No	expandable RAM	Yes; with Memory Card (RAM)
 present with battery without battery No Battery	• expandable RAM, max.	64 Mbyte
• with battery • without battery • without battery No Battery	Backup	
• without battery No Battery	• present	Yes
Battery	with battery	Yes; all data
	without battery	No
Backup battery	Battery	
	Backup battery	

Backup current, typ.	125 μA; up to 40 °C
Backup current, max.	450 μΑ
 Backup time, max. 	Dealt with in the module data manual with the secondary conditions and the factors of influence
Feeding of external backup voltage to CPU	5 V DC to 15 V DC
CPU processing times	0 7 20 10 10 7 20
for bit operations, typ.	30 ns
for word operations, typ.	30 ns
for fixed point arithmetic, typ.	30 ns
for floating point arithmetic, typ.	90 ns
CPU-blocks	00110
DB	
Number, max.	10 000; Number range: 1 to 16000
• Size, max.	64 kbyte
FB	OH NOYEE
Number, max.	5 000; Number range: 0 to 7999
• Size, max.	64 kbyte
FC	OH NOYEE
Number, max.	5 000; 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	8; OB 10-17
Number of delay alarm OBs	4; OB 20-23
Number of cyclic interrupt OBs	9; OB 30-38 (shortest cycle that can be set = 500 μs)
Number of process alarm OBs	8; OB 40-47
Number of DPV1 alarm OBs	3; OB 55-57
 Number of isochronous mode OBs 	4; OB 61-64
Number of multicomputing OBs	1; OB 60
Number of background OBs	1; OB 90
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	
per priority class	24
additional within an error OB	2
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
Number	Unlimited (limited only by RAM capacity)
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	

• Type	SFB
• Number	Unlimited (limited only by RAM capacity)
Data areas and their retentivity	, and the second of the second
Retentive data area (incl. timers, counters, flags), max.	Total working and load memory (with backup battery)
Flag	Total Working and load montery (war basical particity)
• Size, max.	16 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.	32 kbyte
• preset	16 kbyte
Address area	
I/O address area	
Inputs	16 kbyte
Outputs	16 kbyte
Process image	
 Inputs, adjustable 	16 kbyte
 Outputs, adjustable 	16 kbyte
• Inputs, default	512 byte
 Outputs, default 	512 byte
• consistent data, max.	244 byte
Access to consistent data in process image	Yes
Subprocess images	
Number of subprocess images, max.	15
Digital channels	101.070
• Inputs	131 072
— of which central	131 072
Outputs of which control	131 072
— of which central Analog channels	131 072
Inputs	8 192
— of which central	8 192
Outputs	8 192
— of which central	8 192
Hardware configuration	0.102
Number of expansion units, max.	21
connectable OPs	95
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,
a via intenta co mo della	GX20 (in PROFINET IO mode)
via interface module Number of pluggeble S5 modules (via adapter copoule in	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 or 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
FI ITO I BOO and Editorifot of 3	to 10 IMs or CPs as DP master and up to 4 CPs as PROFINET controller

Slots • required slots	2
Time of day	
Clock	
Hardware clock (real-time)	Yes
retentive and synchronizable	Yes
Resolution	1 ms
 Deviation per day (buffered), max. 	1.7 s; Power off
 Deviation per day (unbuffered), max. 	8.6 s; For power On
Operating hours counter	
• Number	16
 Number/Number range 	0 to 15
Range of values	SFCs 2, 3 and 4: 0 to 32767 hours SFC 101: 0 to 2^31 - 1 hours
Granularity	1 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 to IF 064 PR	Yes; As client
• to IF 964 DP	Yes
Time difference in system when synchronizing via	10 ms
Ethernet, max.MPI, max.	200 ms
Interfaces	200 1115
Number of RS 485 interfaces	2
Number of other interfaces	0
Optical interface	No
1. Interface	
Interface type	MPI/PROFIBUS DP
Interface type Isolated	MPI/PROFIBUS DP Yes
Isolated	
Isolated Interface types	Yes
Isolated Interface types • RS 485	Yes
Isolated Interface types RS 485 Output current of the interface, max.	Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols	Yes Yes 150 mA
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI	Yes Yes 150 mA Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master	Yes Yes 150 mA Yes Yes
Isolated Interface types • RS 485 • Output current of the interface, max. Protocols • MPI • PROFIBUS DP master • PROFIBUS DP device	Yes Yes 150 mA Yes Yes Yes Yes Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections	Yes Yes 150 mA Yes Yes Yes Yes Yes Yes Yes Ye
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max.	Yes Yes 150 mA Yes Yes Yes Yes Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services	Yes Yes 150 mA Yes Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication	Yes 150 mA Yes Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing	Yes 150 mA Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services — PG/OP communication — Routing — Global data communication	Yes Yes 150 mA Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication	Yes 150 mA Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication	Yes 150 mA Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes
Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication S7 communication, as client	Yes 150 mA Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication	Yes 150 mA Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication S7 communication, as client S7 communication, as server	Yes 150 mA Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication S7 communication S7 communication, as client S7 communication, as server	Yes 150 mA Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes Yes Yes
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication S7 communication S7 communication, as client S7 communication, as server	Yes 150 mA Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication S7 communication S7 communication, as client S7 communication, as server PROFIBUS DP master Number of connections, max.	Yes 150 mA Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes Yes Yes Y
Isolated Interface types RS 485 Output current of the interface, max. Protocols MPI PROFIBUS DP master PROFIBUS DP device MPI Number of connections Transmission rate, max. Services PG/OP communication Routing Global data communication S7 basic communication S7 communication S7 communication S7 communication, as client S7 communication, as server PROFIBUS DP master Number of connections, max.	Yes Yes Yes Yes Yes Yes Yes 44; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1 12 Mbit/s Yes Yes Yes Yes Yes Yes Yes Y

— 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 devices 	Yes
 Direct data exchange (slave-to-slave 	Yes
communication)	
— 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 	32
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 S7 communication, as client	Yes
— S7 communication, as circle — S7 communication, as server	Yes
Direct data exchange (slave-to-slave)	No
communication)	NO
— DPV1	No
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte
2. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes; Autosensing
	Yes Yes
Autoropoing	Yes
Autocrossing Change of IR address at runtime supported	
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 Controller PROFINET IO Device	Yes
PROFINET TO DEVICE PROFINET CBA	Yes
PROFINE I CBA PROFIBUS DP master	No
■ FROFIDUS DE IIIASIEI	INO
 PROFIBUS DP device 	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	
— 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	$250~\mu s,500~\mu s,1$ ms, 2 ms, 4 ms additionally with IRT with high performance: $250~\mu s$ to 4 ms in 125 μs 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
la a alamana usa reserve	
— Isochronous mode	No
— IRT	Yes
IRT Prioritized startup	Yes Yes
— IRT — Prioritized startup — Shared device	Yes Yes Yes
 — IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. 	Yes Yes
— IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory	Yes Yes Yes 2
— IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory — Inputs, max.	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device
— IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory — Inputs, max. — Outputs, max.	Yes Yes Yes 2
— IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory — Inputs, max. — Outputs, max. Submodules	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device
— IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory — Inputs, max. — Outputs, max. Submodules — Number, max.	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device
— IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory — Inputs, max. — Outputs, max. Submodules — Number, max. — User data per submodule, max.	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device
IRT Prioritized startup Shared device Number of IO Controllers with shared device, max. Transfer memory Inputs, max Outputs, max. Submodules Number, max User data per submodule, max. PROFINET CBA	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte
 — IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory — Inputs, max. — Outputs, max. Submodules — Number, max. — User data per submodule, max. PROFINET CBA • acyclic transmission 	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte Yes
IRT Prioritized startup Shared device Number of IO Controllers with shared device, max. Transfer memory Inputs, max Outputs, max. Submodules Number, max User data per submodule, max. PROFINET CBA • acyclic transmission • cyclic transmission	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte
IRT Prioritized startup Shared device Number of IO Controllers with shared device, max. Transfer memory Inputs, max Outputs, max. Submodules Number, max User data per submodule, max. PROFINET CBA acyclic transmission cyclic transmission Open IE communication	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte Yes Yes
— IRT — Prioritized startup — Shared device — Number of IO Controllers with shared device, max. Transfer memory — Inputs, max. — Outputs, max. Submodules — Number, max. — User data per submodule, max. PROFINET CBA • acyclic transmission • cyclic transmission Open IE communication • Number of connections, max.	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte Yes Yes
IRT Prioritized startup Shared device Number of IO Controllers with shared device, max. Transfer memory Inputs, max Outputs, max. Submodules Number, max User data per submodule, max. PROFINET CBA acyclic transmission cyclic transmission cyclic transmission Number of connections, max Local port numbers used at the system end	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte Yes Yes 94 0, 20, 21, 25, 80, 102, 135, 161, 34962, 34963, 34964, 65532, 65533, 65534, 65535
IRT Prioritized startup Shared device Number of IO Controllers with shared device, max. Transfer memory Inputs, max Outputs, max. Submodules Number, max User data per submodule, max. PROFINET CBA acyclic transmission cyclic transmission cyclic transmission Number of connections, max Local port numbers used at the system end Keep-alive function, supported	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte Yes Yes 94 0, 20, 21, 25, 80, 102, 135, 161, 34962, 34963, 34964, 65532, 65533, 65534,
IRT Prioritized startup Shared device Number of IO Controllers with shared device, max. Transfer memory Inputs, max Outputs, max. Submodules Number, max User data per submodule, max. PROFINET CBA acyclic transmission cyclic transmission cyclic transmission Number of connections, max Local port numbers used at the system end	Yes Yes Yes 2 1 440 byte; Per IO Controller with shared device 1 440 byte; Per IO Controller with shared device 64 1 024 byte Yes Yes 94 0, 20, 21, 25, 80, 102, 135, 161, 34962, 34963, 34964, 65532, 65533, 65534, 65535

Diversity intended as weed to	IF 004 DD (All ED, 0507004 04404 0450)
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	N.
• MPI	No
PROFIBUS DP master	Yes
PROFIBUS DP device	Yes
PROFIBUS DP master	00
Number of connections, max. Transmission arts are as a second and a second arts are a second arts.	32
Transmission rate, max.	12 Mbit/s
max. number of DP devices	125
Services	V
— PG/OP communication	Yes
— Routing	Yes; S7 routing
Global data communication S7 basis communication	No Vos
— 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 devices	Yes
 Direct data exchange (slave-to-slave communication) 	Yes
— DPV0	Yes
— DPV1	Yes
Address area	
— Inputs, max.	8 kbyte
— Outputs, max.	8 kbyte
User data per DP device	244 huta
— user data per DP device, max.	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte 244
— Slots, max.	
— per slot, max.	128 byte
3rd interface / PROFIBUS DP device / header	22
Number of connectionsGSD file	32 http://support.automation.sigmans.com/MM/view/en/113652
• transfer rate / at the 3rd interface / as DP slave /	http://support.automation.siemens.com/WW/view/en/113652 12 Mbit/s
maximum	No
automatic baud rate search Address area may	No
Address area, max. Hear data per address area, max.	32; Virtual slots
User data per address area, max. of which consistent may.	32 byte
— of which consistent, max.	32 byte
Services — PG/OP communication	Voc
	Yes
— Routing	Yes; with interface active No
Global data communication S7 basic communication	No No
— S7 basic communication — S7 communication	Yes
— S7 communication, as client	Yes
— S7 communication, as server	Yes
 — Direct data exchange (slave-to-slave communication) 	No
— DPV1	No
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte

Protocols	
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
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	1,0
• supported	Yes
User-defined websites	Yes
Number of HTTP clients	5
Isochronous mode	•
	Voc
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	
PG/OP communication	Yes
 Number of connectable OPs with message processing 	95; When using Alarm_S/SQ and Alarm_D/DQ
Number of connectable OPs without message processing	95
Data record routing	Yes
Global data communication	
• supported	Yes
 Number of GD loops, max. 	16
 Number of GD packets, transmitter, max. 	16
 Number of GD packets, receiver, max. 	32
 Size of GD packets, max. 	54 byte
 Size of GD packet (of which consistent), max. 	1 variable
S7 basic communication	
supported	Yes
 User data per job, max. 	76 byte
• User data per job (of which consistent), max.	1 variable
S7 communication	
• supported	Yes
• as server	Yes
• as client	Yes
User data per job, max.	64 kbyte
User data per job (of which consistent), max.	462 byte; 1 variable
S5 compatible communication	
• supported	Yes; Via FC AG_SEND and AG_RECV, max. via 10 CP 443-1 or 443-5
User data per job, max.	8 kbyte
User data per job, max. User data per job (of which consistent), max.	240 byte
Number of simultaneous AG-SEND/AG-RECV orders per CPU, max.	64/64
Standard communication (FMS)	
• supported	Yes; Via CP and loadable FB
communication functions / PROFINET CBA (with set target commu	
Setpoint for the CPU communication load	20 %
Number of remote interconnection partners	32
- Number of remote interconnection partitlers	UL .

 number of master/device functions 	150
 total of all master/device connections 	6 000
 data length of all incoming master/device connections, max. 	65 000 byte
 data length of all outgoing master/device connections, max. 	65 000 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	/ with acvolic transfer / header
— Sampling interval, min.	200 ms; Depending on preset communication load, number of interconnections
Number of incoming interconnections	and data length used 500
Number of outgoing interconnections	500
— Data length of all incoming interconnections, max.	
Data length of all nectoring interconnections, max.	16 000 byte 16 000 byte
— Data length per connection, max.	2 000 byte
performance data / PROFINET CBA / remote interconnection	·
— Transmission frequency: Transmission interval, min.	1 ms; Depending on preset communication load, number of interconnections and data length used
 Number of incoming interconnections 	300
 Number of outgoing interconnections 	300
 Data length of all incoming interconnections, max. 	4 800 byte
 Data length of all outgoing interconnections, max. 	4 800 byte
 Data length per connection, max. 	450 byte
performance data / PROFINET CBA / HMI variables via PROF	INET / acyclic / header
 Number of stations that can log on for HMI variables (PN OPC/iMap) 	2x PN OPC/1x iMap
 HMI variable updating 	500 ms
 Number of HMI variables 	1 500
 Data length of all HMI variables, max. 	48 000 byte
performance data / PROFINET CBA / PROFIBUS proxy function	onality / header
— supported	Yes; 32 PROFIBUS slaves max. connectable
 Data length per connection, max. 	240 byte; Slave-dependent
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. 8 with Alarm, Alarm_8, Alarm_8P, Notify and Notify_8 (e.g. WinCC)
Symbol-related messages	Yes
SCAN procedure	Yes
SCAN procedure	
	Yes
Program alarms	Yes Yes
Program alarms Process diagnostic messages	Yes
Program alarms Process diagnostic messages simultaneously active Alarm_S blocks, max.	Yes 1 000; Simultaneously active alarm_S/SQ blocks or alarm_D/DQ blocks
Program alarms Process diagnostic messages	Yes

blocks, max.	
• preset, max.	600
Process control messages	Yes
Number of archives that can log on simultaneously (SFB 37 AR_SEND)	32
Number of messages	
• overall, max.	1 024
• in 100 ms grid, max.	128
• in 500 ms grid, max.	512
 in 1000 ms grid, max. 	1 024
Number of additional values	
with 100 ms grid, max.	1
 with 500, 1000 ms grid, max. 	10
Test commissioning functions	
Status block	Yes; Up to 16 simultaneously
Single step	Yes
Number of breakpoints	16
Status/control	
Status/control variable	Yes; Up to 16 variable tables
• Variables	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Number of variables, max.	70; Status/control
Forcing	
Forcing	Yes
Forcing, variables	Inputs/outputs, bit memories, distributed I/Os
Number of variables, max.	512
Diagnostic buffer	012
• present	Yes
Number of entries, max.	3 200
	Yes
— adjustable	
— preset	120
Service data	V
• 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 A, for use in industrial areas Limit class B, for use in residential areas	Yes No
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header	
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software	No
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7	
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software	No
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7	No
Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 configuration / programming / header	No Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 configuration / programming / header Command set	Yes see instruction list
Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 configuration / programming / header Command set Nesting levels	Yes see instruction list 7
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 configuration / programming / header Command set Nesting levels Access to consistent data in process image	Yes see instruction list 7 Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC)	Yes see instruction list 7 Yes see instruction list
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB)	Yes see instruction list 7 Yes see instruction list
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language	Yes see instruction list 7 Yes see instruction list see instruction list
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 configuration / programming / header Command set Nesting levels Access to consistent data in process image System functions (SFC) System function blocks (SFB) Programming language — LAD	Yes see instruction list 7 Yes see instruction list see instruction list
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 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	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 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	Yes see instruction list 7 Yes see instruction list see instruction list yes Yes Yes Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 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	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 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	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes
Limit class A, for use in industrial areas Limit class B, for use in residential areas configuration / header Configuration software STEP 7 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®	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 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	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Y
Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 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 DPSYC_FR	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 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 DPSYC_FR D_ACT_DP 	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 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 DPSYC_FR D_ACT_DP RD_REC 	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 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 DPSYC_FR D_ACT_DP RD_REC WR_REC 	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 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 DPSYC_FR D_ACT_DP RD_REC WR_REC WR_PARM 	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
 Limit class A, for use in industrial areas Limit class B, for use in residential areas Configuration / header Configuration software STEP 7 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 DPSYC_FR D_ACT_DP RD_REC WR_REC 	Yes see instruction list 7 Yes see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

8	
8	
1	
configuration / programming / number of simultaneously active SFB / header	
8	
8	
Yes	
Yes; With S7 block Privacy	
Dimensions	
50 mm	
290 mm	
219 mm	
900 g	

last modified: 12/8/2024 🖸