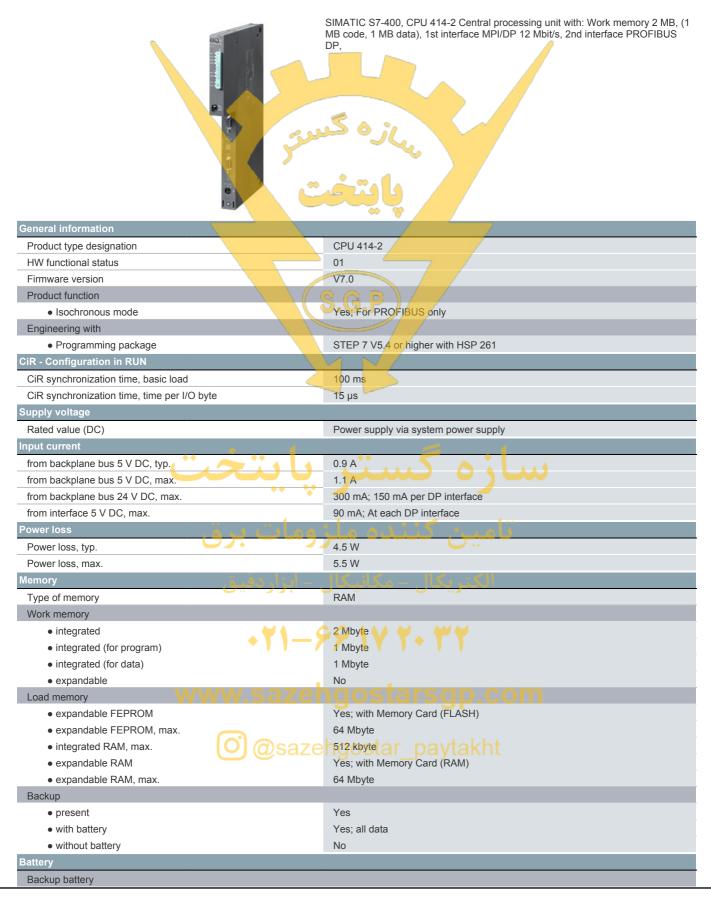
SIEMENS

Data sheet

6ES7414-2XL07-0AB0



Backup current typ. Backup current max. Backup time, max. Feeding of external backup voltage to CPU CPU processing times for bit operations, typ. For theory point arithmetic, typ. For board point arithmetic, typ. For floating point arithmetic, typ. CPU Backup BB Number max. Size, max. For Number, max. Size, max. For Number, max. Size, max. For Number, max. Size, max. Number of free cyclo OBs Number of free cyclo OBs Number of free cyclo CBs Number of optic interrupt OBs Number of protess arithmetic DBs Number of protess arithmetic DBs Number of socions mode OBs Number of solating on an original of the protess of solition arithmetic DBs Number of solating OBs Numb		
Backup time, max. Coest with in the module data manual with the secondary conditions and the factors of influence For the operations, lyo. For fine post administration, lyo. For max. For max. For fine post administration, lyo. For max. For max. For fine post administration, lyo. For max. F	*	180 µA; up to 40 °C
Feeding of external backup voitage to CPU GPU processing times for road operations, typ. for word operations, typ. for fixed operations, t	-	
GEU processing limas for bit operations, typ. 18.75 ins for bit operations, typ. 19.75 ins for focating point arithmetic, typ. 97.5 ins GPUshocks BB Number, max. Size, max. 8 0.000, Number range: 110 16000 64 keyte Number, max. Size, max. 64 keyte 64 keyte Number of focating only max. Size, max. 65 keyte Number of focating only max. Size, max. 8 0.000, Number range: 0 to 7899 65 keyte Number of focating only max. Size,	Backup time, max.	
To full operations, typ. 18.75 is	 Feeding of external backup voltage to CPU 	5 V DC to 15 V DC
18.75 ins 18.7	CPU processing times	
for fixed point arithmetic, lyp. for floating point arithmetic, lyp. Got floating point arithmetic, lyp. Fixed and set of floating point arithmetic and set of floating point arithmetic and set	for bit operations, typ.	18.75 ns
Tot footing point arithmetic, bp. 37.5 ns	for word operations, typ.	18.75 ns
CPU-blocks	for fixed point arithmetic, typ.	18.75 ns
Number, max.	for floating point arithmetic, typ.	37.5 ns
Number, max. 6 000. Number range: 1 to 16000	CPU-blocks	
Size, max	DB	
Number max	Number, max.	6 000; Number range: 1 to 16000
Number, max. 3 000, Number range: 0 to 7899	• Size, max.	64 kbyte
Size, max. G4 kbyte	FB	
Number, max 3000; Number range: 0 (6 7999	Number, max.	3 000; Number range: 0 to 7999
Number, max.** **Size, max.** **Size, max.** **Number**, max.** **Size, max.** **Number**, max.	• Size, max.	64 kbyte
Size, max.	FC	
Number, max. Size, max. Number of free cycle OBs Number of time alarm OBs Number of cycle interrupt OBs Number of cycle interrupt OBs Number of process alarm OBs Number of south of south of the set		
Number of tree cycle OBs Number of tree cycle OBs Number of time alarm OBs Number of dealy alarm OBs Number of process alarm OBs Number of sochronous mode OBs Number of startup OBs Number of startup OBs Number of startup OBs Number of sardynonous error OBs Number of synchronous error OBs Number of synchronous error OBs Number of synchronous error OBs A didlional within an error OB Retentivity — adjustable — preset Counters, timers and their retentivity S7 counter Number Preset Counter of present Type Number Number Number Preset Type Number		64 kbyte
Size, max. Number of free cycle OBs Number of time alarm OBs Number of delay alarm OBs Number of cycle interrupt OBs Number of process alarm OBs Number of DPY alarm OBs Number of DPY alarm OBs Number of DPY alarm OBs Number of background OBs Number of background OBs Number of sartup OBs Number of sartup OBs Number of sartup OBs Number of sartup OBs Number of synchronous error O		
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Number of time alarm OBs Number of celary alarm OBs Number of process alarm OBs Number of isochronous mode OBs Number of multicomputing OBs Number of startup OBs Number of startup OBs Number of startup OBs Number of saynchronous error OBs Number of synchronous error OBs Nu		
Number of delay alarm OBs Number of cyclic interrupt OBs Number of process alarm OBs Number of DPV1 alarm OBs Number of DPV1 alarm OBs Number of background OBs Number of background OBs Number of sackground OBs Number of sarchronous error OBs Number of synchronous error OBs Number		
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Number of process alarm OBs		
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Number of multicomputing OBs	No. of the contract of the con	
Number of background OBs 1; OB 90		
Number of startup OBs Number of saynchronous error OBs Number of synchronous error OBs Number of synchronous error OBs Number of synchronous error OBs Nesting depth per priority class additional within an error OB Counters, timers and their retentivity So counter Number Number Number Preset Counting range Number Present Number Number Number Polymer Imit Pess Starsgp.com Unlimited (limited only by RAM capacity) So times Number Preset Preset No times retentive Time range No times retentive		
Number of asynchronous error OBs Nesting depth per priority class additional within an error OB Number	-	
Number of synchronous error OBs Nesting depth **per priority class** **additional within an error OB** **Ounters, timers and their retentivity **S7 counter** **Number** **Number** **Retentivity* adjustable		
Nesting depth		
per priority class additional within an error OB Counters, timers and their retentivity S7 counter Number Retentivity - adjustable - preset - lower limit - upper limit Present Type Number	** _ **	2; OB 121, 122
• additional within an error OB Counters, timers and their retentivity S7 counter • Number • Number — adjustable — preset — preset — lower limit — upper limit • Type • Number • N	a per priority close	
Society Number Retentivity - adjustable - present • Number • present • present • present • Type • Number • Number • Number • Number • Number • Number • Type • Number • Nu	and the state of t	
S7 counter • Number Retentivity — adjustable — preset Counting range — lower limit — upper limit • Type • Number • Number • Number • Number • Number • Number Retentivity — adjustable — preset • Number Retentivity — adjustable — preset Time range — lower limit — upper limit — upper limit 10 ms 9 990 s IEC timer		
Number Retentivity adjustable preset		
Retentivity - adjustable - preset		2.048
- adjustable - preset Counting range - lower limit - upper limit - upper limit • present • Type • Number So times • Number Retentivity - adjustable - preset Time range - lower limit - upper limit 10 ms 9990 s IEC timer		2 040
- preset Counting range - lower limit - upper limit - upper limit - present - Type - Number Number Number Number Number Number Petentivity - adjustable - preset - preset Time range - lower limit - upper limit 10 ms - upper limit - u	** 4	الكت بكال – مكانية
Counting range lower limit upper limit upper limit present Type Number Number Number Number Number Number Adjustable preset preset Time range lower limit upper limit upper limit upper limit upper limit upper limit upper limit upper limit upper limit solve in the second seco		
lower limit upper limit upp	·	
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Present ■ present ■ Type ■ Number ■ Number ■ Number Retentivity — adjustable — preset Time range — lower limit — upper limit — upper limit — upper limit — upper limit — upper limit — upper limit — present ■ Yes No times retentive 10 ms 9 990 s IEC timer	* 1 1 -	999
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 Number Number Number Retentivity — adjustable — preset Time range — lower limit — upper limit 9 990 s IEC timer Unlimited (limited only by RAM capacity) Yes No times retentive 10 ms 9 990 s IEC timer	• present	
 Number Number Number Retentivity — adjustable — preset Time range — lower limit — upper limit 9 990 s IEC timer Unlimited (limited only by RAM capacity) YeAM capacity Yes No times retentive 10 ms 9 990 s IEC timer	• Type WWW.SaZe	nspostarsqp.com
● Number Retentivity	Number	
Retentivity — adjustable Yes — preset No times retentive Time range — lower limit 10 ms — upper limit 9 990 s IEC timer IEC timer		
Retentivity — adjustable Yes — preset No times retentive Time range — lower limit 10 ms — upper limit 9 990 s IEC timer IEC timer	Number Number	ehzgastar paytakht
— preset No times retentive Time range — lower limit 10 ms — upper limit 9 990 s IEC timer		
Time range — lower limit 10 ms — upper limit 9 990 s IEC timer	— adjustable	Yes
— lower limit 10 ms — upper limit 9 990 s IEC timer	— preset	No times retentive
— upper limit 9 990 s IEC timer	Time range	
IEC timer	— lower limit	10 ms
	— upper limit	9 990 s
• present Yes	IEC timer	
	• present	Yes

Tuna	OED.
• Type	SFB
Number	Unlimited (limited only by RAM capacity)
Data areas and their retentivity	-
Retentive data area (incl. timers, counters, flags), max.	Total working and load memory (with backup battery)
Flag	O liberto Cina of his management and an array
• Size, max.	8 kbyte; Size of bit memory address area
Retentivity available	Yes
Retentivity preset	MB 0 to MB 15
Number of clock memories Local data	8; in 1 memory byte
adjustable, max.	16 kbyte
• preset	8 kbyte
Address area	O KDyte
I/O address area	
• Inputs	8 kbyte
• Outputs	8 kbyte
Process image	O KDyte
Inputs, adjustable	8 kbyte
Outputs, adjustable Outputs, adjustable	8 kbyte
Inputs, default	256 byte
Outputs, default	256 byte 256 byte
consistent data, max.	244 byte
Access to consistent data in process image	Yes Yes
Subprocess images	100
Number of subprocess images, max.	15
Digital channels	S'GP
• Inputs	65 536
— of which central	65 536
Outputs	65 536
— of which central	65 536
Analog channels	
• Inputs	4 096
— of which central	4 096
Outputs	4 096
•	4 096
— of which central Hardware configuration	A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-
Number of expansion units, max.	21
connectable OPs	63
Multicomputing	Yes; 4 CPUs max. (with UR1 or UR2)
Interface modules	Lo O Lucy
Number of connectable IMs (total), max.	6
Number of connectable IM 460s, max.	6
Number of connectable IM 460s, max. Number of connectable IM 463s, max.	الكتريكال – م <u>كاني المريكال – مكاني المريكال</u>
Number of DP masters	.,
• integrated	2
• via CP	10; CP 443-5 Extended
• via IM 467	4
Mixed mode IM + CP permitted	No; IM 467 cannot be used jointly with CP 443-5 Ext. or CP 443-1 in
- mixed mode in . Or permitted	PROFINET IO mode
 via interface module 	igostarsgp.com
 Number of pluggable S5 modules (via adapter capsule in 	6
central device), max.	
Number of IO Controllers	hgostar paytakht
• integrated	
• via CP	4; Max. 4 in the central controller; no mixed operation of different CP 443-1
Number of operable FMs and CPs (recommended)	types in PROFINET IO mode
Number of operable FMs and CPs (recommended)	types in PROFINET IO mode
• FM	types in PROFINET IO mode Limited by number of slots and number of connections
► FM◆ CP, PtP	Limited by number of slots and number of connections CP 440: Limited by number of slots; CP 441: limited by number of connections
• FM	types in PROFINET IO mode Limited by number of slots and number of connections

• required slots	1
Time of day	
Clock	
Hardware clock (real-time)	Yes
retentive and synchronizable	Yes
Resolution	1 ms
Deviation per day (buffered), max.	1.7 s; Power off
Deviation per day (unbuffered), max.	8.6 s; For power On
Operating hours counter	0.0 0, 1 01 power on
Number	16
Number/Number range	0 to 15
Range of values	SFCs 2, 3 and 4: 0 to 32767 hours SFC 101: 0 to 2^31 - 1 hours
Granularity	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	No; Via CP
• to IF 964 DP	No
Time difference in system when synchronizing via	
MPI, max.	200 ms P
Interfaces	
Interfaces/bus type	1 x MPI/PROFIBUS DP, 1 x PROFIBUS DP
Number of RS 485 interfaces	2; Combined MPI / PROFIBUS DP and PROFIBUS DP
1. Interface	The second secon
Interface type	MPI/PROFIBUS DP
Isolated	Yes
Interface types	
• RS 485	Yes
Output current of the interface, max.	150 mA
Protocols	سازه بست
• MPI	Yes
PROFIBUS DP master	Yes
PROFIBUS DP slave	Yes
MPI (9)	نامین کننده ملز
Number of connections	32; If a diagnostics repeater is used on the line, the number of connection
** ***	resources on the line is reduced by 1
• Transmission rate, max ابزار دفیق –	الكتريكال – مكاكال الكتريكال – مكاكال
Services	
— PG/OP communication	Yes
— Routing	Yes \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
— Global data communication	Yes
 S7 basic communication 	Yes
— S7 communication	Yes
— S7 communication, as client W.SaZe I	ୀଞ୍ଜostarsgp.com
— S7 communication, as server	Yes
PROFIBUS DP master	
Number of connections, max.	16; If a diagnostics repeater is used on the line, the number of connection resources on the line is reduced by 1
Transmission rate, max.	12 Mbit/s
Number of DP slaves, max.	32
Services	
— PG/OP communication	Yes
— Routing	Yes; S7 routing
	No
 Global data communication 	INO
Global data communication S7 basic communication	Yes

— S7 communication	Yes
— S7 communication — S7 communication, as client	Yes
— S7 communication, as criefit — S7 communication, as server	Yes
— Equidistance	Yes
— Isochronous mode	Yes
— SYNC/FREEZE	Yes
Activation/deactivation of DP slaves	Yes
 Direct data exchange (slave-to-slave communication) 	Yes
— DPV1	Yes
Address area	
— Inputs, max.	2 kbyte
— Outputs, max.	2 kbyte
User data per DP slave	
User data per DP slave, max.	244 byte
— Inputs, max.	244 byte
— Outputs, max.	244 byte
— Slots, max.	244
— Slots, max.	128 byte
— per siot, max. PROFIBUS DP slave	
	16 💝 🕅
Number of connections CSD file	http://gupnert.gutemetics.gicmess.gem/AAA//viguy/ep/1412652
• 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 D
— of which consistent, max.	32 byte
Services	
— PG/OP communication	Yes; with interface active
— Routing	Yes; with interface active
Global data communication	No No
 S7 basic communication 	No
— S7 communication	Yes
 S7 communication, as client 	Yes
— S7 communication, as server	Yes
Direct data exchange (slave-to-slave)	No
communication)	
— DPV1	No
Transfer memory	
— Inputs	244 byte 244 byte
— Outputs	244 byte
2. Interface	
Interface type	PROFIBUS DP ILX ILX
Isolated	Yes
Interface types	
• RS 485	Yes
Output current of the interface, max.	150 mA
Protocols	
PROFIBUS DP master	Yes
• PROFIBUS DP slave	nesostarson.com
PROFIBUS DP master	1903141399100111
Number of connections, max.	16
Transmission rate, max.	h ¹² Mbit/star_paytakht
 Transmission rate, max. Number of DP slaves, max. 	ngostar_paytaknt
Services	
— PG/OP communication	Yes
— Routing	Yes; S7 routing
Global data communication	No
Sobal data communication S7 basic communication	Yes
— S7 communication	Yes
— S7 communication — S7 communication, as client	Yes
— or communication, as chefit	160

— S7 communication, as server	Yes
— Equidistance	Yes
— Isochronous mode	Yes
— SYNC/FREEZE	Yes
Activation/deactivation of DP slaves	Yes
 Direct data exchange (slave-to-slave communication) 	Yes
— DPV1	Yes
Address area	
— Inputs, max.	6 kbyte
— Outputs, max. User data per DP slave	6 kbyte
— 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	120 byte
Number of connections	16_*
• GSD file	http://support.automation.siemens.com/WW/view/en/113652
Transmission rate, max.	12 Mbit/s
Address area, max.	32
User data per address area, max.	32 byte
— of which consistent, max.	32 byte
Services	
— Routing	Yes; with interface active
Transfer memory	0.0.1
— Inputs	244 byte
— Outputs	244 byte
Protocols	
SIMATIC communication	
S7 routing	Yes
S7 routing Open IE communication	Yes
	Yes Via CP 443-1 and loadable FB
Open IE communication • ISO-on-TCP (RFC1006) — Data length, max.	
Open IE communication • ISO-on-TCP (RFC1006)	Via CP 443-1 and loadable FB
Open IE communication • ISO-on-TCP (RFC1006) — Data length, max.	Via CP 443-1 and loadable FB
Open IE communication • ISO-on-TCP (RFC1006) — Data length, max. Web server	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv.
Open IE communication • ISO-on-TCP (RFC1006) — Data length, max. Web server • supported	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No
Open IE communication • ISO-on-TCP (RFC1006) — Data length, max. Web server • supported Isochronous mode Equidistance Number of DP masters with isochronous mode	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes
Open IE communication • ISO-on-TCP (RFC1006) — Data length, max. Web server • supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 244 byte
Open IE communication • ISO-on-TCP (RFC1006) — Data length, max. Web server • supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 244 byte
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. Yes 244 byte 1 ms; 0.5 ms without use of SFC 126, 127
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms; 0.5 ms without use of SFC 126, 127
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Data record routing Global data communication	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Data record routing Global data communication supported	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Yes
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs without message processing Number of connectable OPs without message processing Salze Number of GD loops, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms; — Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Yes 8
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Yes 8 8 8
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server Supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Yes 16 Ostar_paytakht 54 byte
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing Number of Connectable OPs with message processing Number of Connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max. Size of GD packet (of which consistent), max. S7 basic communication	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 44 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server Supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max. Size of GD packet (of which consistent), max. S7 basic communication communication function / S7 basic communication	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 44 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server Supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max. Size of GD packet (of which consistent), max. Size of GD packet (of which consistent) communication communication User data per job, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Ves OSTATS GP. COM 8 8 16 OSTAT paytakht 54 byte 1 variable Yes 76 byte
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server Supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max. Size of GD packet (of which consistent), max. S7 basic communication communication function / S7 basic communication User data per job, max. User data per job (of which consistent), max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 2 44 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms
Open IE communication ISO-on-TCP (RFC1006) — Data length, max. Web server Supported Isochronous mode Equidistance Number of DP masters with isochronous mode User data per isochronous slave, max. shortest clock pulse max. cycle communication functions / header PG/OP communication Number of connectable OPs without message processing Number of connectable OPs with message processing Data record routing Global data communication supported Number of GD loops, max. Number of GD packets, transmitter, max. Number of GD packets, receiver, max. Size of GD packets, max. Size of GD packet (of which consistent), max. Size of GD packet (of which consistent) communication communication User data per job, max.	Via CP 443-1 and loadable FB 1 452 bytes via CP 443-1 Adv. No Yes 244 byte 1 ms; 0.5 ms without use of SFC 126, 127 32 ms Yes 63 63; When using Alarm_S/SQ and Alarm_D/DQ Yes Ves OSTATS GP. COM 8 8 16 OSTAT paytakht 54 byte 1 variable Yes 76 byte

• as server	Yes
as server as client	Yes
User data per job, max.	64 kbyte
User data per job, max. User data per job (of which consistent), max.	462 byte; 1 variable
S5 compatible communication	
• supported	Yes; Via FC AG_SEND and AG_RECV, max. via 10 CP 443-1 or 443-5
User data per job, max.	8 kbyte
User data per job (of which consistent), max.	240 byte
Number of simultaneous AG-SEND/AG-RECV orders per	24/24
CPU, max.	
Standard communication (FMS)	Van Via OD and Radabla ED
supported Number of connections	Yes; Via CP and loadable FB
• overall	64
usable for PG communication	63
— reserved for PG communication	4 0 ii
— adjustable for PG communication, max.	
usable for OP communication	63
— reserved for OP communication	1000
— adjustable for OP communication, max.	
usable for S7 basic communication	62 ***
 reserved for S7 basic communication 	0
— adjustable for S7 basic communic <mark>ation, max.</mark>	0
usable for S7 communication	62
— reserved for S7 communication	0
— adjustable for S7 communication, max.	S.G.P)
usable for routing	31
— reserved for routing	
— adjustable for routing, max.	0
S7 message functions	63: May 63 with Alarm S/SO and Alarm D/DO (OBs); may 6 with Alarm
Number of login stations for message functions, max.	63; Max. 63 with Alarm_S/SQ and Alarm_D/DQ (OPs); max. 8 with Alarm, Alarm_8, Alarm_8P, Notify and Notify_8 (e.g. WinCC)
Symbol-related messages	Yes
SCAN procedure	Yes
Program alarms	Yes
Process diagnostic messages	Yes
simultaneously active Alarm-S blocks, max.	400; Simultaneously active alarm_S/SQ blocks or alarm_D/DQ blocks
Alarm 8-blocks	Yes
 Number of instances for alarm 8 and S7 communication blocks, max. 	1 200
• preset, max.	تامین کننده میلی
Process control messages	Yes
Number of archives that can log on simultaneously (SFB 37	16
_ ابزار دفیق AR_SEND)	الكتريكال – مكانيكال
Number of messages	
• overall, max.	512
• in 100 ms grid, max.	128 256
• in 500 ms grid, max.	
in 1000 ms grid, max. Number of additional values	512
with 100 ms grid, max.	ngostarsgp.com
• with 500, 1000 ms grid, max.	10
Test commissioning functions	
Status block O OSAZE	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	
	Yes

* Namber of variables, max. * Paramet of variables, max. * Persent * Persent * Namber of renties, max. * Jacob Secretary of the secret		
Diagnostic buffer • present • present • present • product — adjustable — product 120 Sentice data • can be road out Standards, approvals, certificates CSA approval UL approval CSA approval LUL approval CVILUS FM approval FM approval FM product FM approval FM approval FM approval FM approval FM product FM approval FM a	 Forcing, variables 	Inputs, outputs, bit memories, peripheral inputs, peripheral outputs
Number of entries, max.	·	256
Number of entries, max. - adjustable - priset 120 Service data - can be read out Yes Standards, approvals, certificates CE mark CSA approval Lu approval CML approval CML (SSA approval) CMC (SSA approval) CMC (SSA approval) CMC (SSA (SSA AMB) CMC (SSA (SSA AMB) - ATEXT (SSA	Diagnostic buffer	
adjustable preset 120 Service data preset 120 Service data to an be read out Yes Standards, approvals, certificates CE mark CSA approval Ves Ve	present	Yes
- preset * can be read out * can be read out * Senderida sperovals, certificates CSA approval UL approval CSA approval UL approval RCM (formetry C-TICK) KC approval RCM (formetry C-TICK) Yes RCM (formetry C-TICK) Yes * ATEX TATEX TA	 Number of entries, max. 	3 200
Service data	— adjustable	Yes
and be read out CE mark CSA approval UL approval CULlus Ves CULlus Ves CRA (Immerly C-TICK) KR approval RCM (formerly C-TICK) Yes ATEX (Target year) ATEX ATEX (Target year) ATEX (Target year) ATEX ATEX (Targe	— preset	120
Standards, approvals, certificates CE mark CSA approval UL approval UL approval Ves PM approval ROM (formerly ChiCk) KC approval ATEX ATEX ATEX (approval Ves EAC (formerly Cost-R) Ves EAC (formerly Cost-R) Ves ATEX (approval ATEX (appro	Service data	
CE mark CSA approval UL approval UL approval ULUs Pes PM approval Kes RCM (formerly C-TICK) Ves EAC (formerly Cost-R) Use in hazardous areas • ATEX ATEXIT 3G Ex nA JIC 14 GA Ambient conditions Ambient temperature during operation • min. • or C • max. • 66 °C Configuration forware • STEP 7 Configuration programming / header • Configuration forware • STEP 7 Configuration programming / header • Command set • Nesting lavels • Access to consistent data in process image • STEP 7 configuration in functions (SFC) • System function blocks (SFB) Programming language — LAD — FBD — FBD — FBD — STL — SCL — Ves Configuration / programming / number of simultaneously active SFC / header — DPSYC_FR — D_ACT_DP — RR, REC — WR, PARM — PARM, MOD — WR, DARAM — DPARM, MOD — WR, DARAM — DPARM, MOD — WR, DARAM — DPARM, MOD — RDSYSST — DP_TOPOL configuration / programming / number of simultaneously scive SFC / SF, per interface 8, SFC 55, per interface 8, SFC 55, per interface 9, SFC 55, per interfac	• can be read out	Yes
CE mark CSA approval UL approval UL approval ULUs Pes PM approval Kes RCM (formerly C-TICK) Ves EAC (formerly Cost-R) Use in hazardous areas • ATEX ATEXIT 3G Ex nA JIC 14 GA Ambient conditions Ambient temperature during operation • min. • or C • max. • 66 °C Configuration forware • STEP 7 Configuration programming / header • Configuration forware • STEP 7 Configuration programming / header • Command set • Nesting lavels • Access to consistent data in process image • STEP 7 configuration in functions (SFC) • System function blocks (SFB) Programming language — LAD — FBD — FBD — FBD — STL — SCL — Ves Configuration / programming / number of simultaneously active SFC / header — DPSYC_FR — D_ACT_DP — RR, REC — WR, PARM — PARM, MOD — WR, DARAM — DPARM, MOD — WR, DARAM — DPARM, MOD — WR, DARAM — DPARM, MOD — RDSYSST — DP_TOPOL configuration / programming / number of simultaneously scive SFC / SF, per interface 8, SFC 55, per interface 8, SFC 55, per interface 9, SFC 55, per interfac	Standards, approvals, certificates	•
CSA approval UL approval UL approval UL approval UL approval CULUS FM approval FM approval FAC (Commerly CDICK) Ves FAC (COMMERLY CDICK) FAC		Yes
UL approval UL approval UL approval UL approval FM app		
EULUS FM approval RCM (formerly C-TICK) Yes RCM (formerly C-TICK) Yes LSE in hazardous areas • ATEX ATEX ATEX ATEX ATEX ATEX ATEX ATEX II 3G Ex pA IIC 14 Gc Ambient conditions Ambient conditions Ambient emperature during operation • min. • mix. • o 1° C Genfiguration / Incader Configuration / Incader Configuration / Incader • Command set • Command set • Nesting levels • Access to consistent data in process image • System functions (SFC) • System functions (SFC) • System functions (SFC) • System function (
FM approval RCM (crmerty C-TICK) Yes EAC (Comerty Gost-R) Use in hazardous areas • ATEX Ambient conditions Ambient temperature during operation • min. • o ° C • max. configuration / header Configuration / programming / header • Command set • STEP 7 configuration / programming / header • Step 7 configuration / programming / number of simultaneously active SFC / header — LAD — FBD — STI. — SCI. — GFC — GRAPH — HiGraph® — PROR CE — WR_PARM — PARM — PA		
RCM (formerly C-TICK) KC approval CEAC (formerly Cost-R) Use in hazardous areas ATEX Yes		
KC approval EAC (Immerly Gost-R) EAC (Immerly Gost-R) Ves Ves Ves Ves Ves Ves ATEX		
EAC (formerly Gost-R) Use in hazardous areas ATEX ATEX ATEX ATEX ATEX ATEX ANDient temperature during operation • min. • max. configuration software • STEP 7 Configuration software • STEP 7 Command set • Nosting levels • Access to consistent data in process image • System functions (SFC) • System functions (SFC) • System functions (SFC) • System function blocks (SFB) Frogramming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Configuration / programming / number of simultaneously active SFC / header — DPSYC_FR — D_ACT_DP — RD, REC — WR_REC — WR_R		
ATEX		
Ambient conditions Ambient conditions Ambient conditions Ambient conditions Ambient temperature during operation • min. • m		Yes
Ambient conditions Ambient emperature during operation • min. • max. • 60°C configuration / header Configuration software • STEP 7 configuration software • System functions (SFC) • System function softs (SFC) • System function softs (SFC) • System function blocks (SFB) Programming language — LAD — FBD — STI — SCL — Yes — SCL — Yes — CFC — GRAPH — HiGraph®	Use in hazardous areas	الماطم
Ambient temperature during operation • min. • min. • max. configuration of header Configuration of header • STEP 7 configuration / programming / header • Command set • Nesting levels • Access to consistent data in process image • System functions (SFC) • System functions (SFC) • System functions (SFC) • System function blocks (SFB) Programming language — LAD — FBD — STI. — SCI. — CFC — GRAPH — HiGraph® configuration / programming / number of simultaneously active SFC / header — DPSYC_FR — D_ACT_DP — RD_REC — WR_REC — WR_PARM — PARM_MOD — PARM_MOD — WR_DPARM — DPNRM_DC — RDSYSST — DP_TOPOL configuration / programming / number of simultaneously active SFB / header — DP_TOPOL configuration / programming / number of simultaneously active SFB / header 1, SFC 57; per interface 8, SFC 58; per interface 9, SFC 68; per interface 1, SFC 57; per interface 8, SFC 13; per interface 9, SFC 58; per interface 1, SFC 57; per interface 1, SFC 57; per interface 8, SFC 13; per interface 1, SFC 13; per interface 1, SFC 13; per interface 1, SFC 57; per interface 8, SFC 58; per interface 1, SFC 57; per interface 1, SFC 57; per interface 1, SFC 57; per interface 8, SFC 58; per interface 1, SFC 57; per interface 8, SFC 58; per interface 1, SFC 57; per interface 8, SFC 57; per interface 8, SFC 57; per interface 9, SFC 57; per interface 1, SFC 57; per interface 1, SFC 57; per interface 8, SFC 57; per interface 9, SFC 57; per interface 9	• ATEX	ATEX II 3G Ex nA IIC T4 Gc
• min. • max. • max. • max. • see instruction list • System function blocks (SFB) • STL • SCL • FBD • STL • SCL • CFC • GRAPH • HiGraph® • Configuration / programming / number of simultaneously active SFC / header • DPSYC_FR • D_ACT_DP • RD_REC • D_REC • WR_PARM • PARM_MOD • WR_PARM • PARM_MOD • WR_PARM • DPNRM_DG • RDSYSST • DP_TOPOL • Configuration / programming / number of simultaneously active SFC / 13; per interface	Ambient conditions	
• max. configuration / header Configuration / programming / header • STEP 7 Command set • Nesting levels • Access to consistent data in process image • System function slocks (SFC) • System function slocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® — HiGraph® — ODPSYC_FR — D_ACT_DP — RD_REC — WR_REC — WR_PARM — PARM_MOD — WR_DARM — PARM_MOD — WR_DARM — DPNYM_DG — RDSYSST — DP_TOPOL configuration / programming / number of simultaneously active — RDREC — WR_REC — WR_REC — WR_REC — WR_DARM — PARM_MOD — SFC 57; per interface 8; SFC 56; per interface 8; SFC 55; per interface 8; SFC 57; per interface 8; SFC 58; per interface 8; SFC 57; per interface 9; SFB 57; per interface 9; S	Ambient temperature during operation	
Configuration / header Configuration software STEP 7 Configuration / programming / header Command set Nesting levels Access to consistent data in process image System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH Hidraph® Configuration / programming / number of simultaneously active SFC / header DPSYC_FR DACT_DP RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG RDSYSST DP_TOPOL Configuration / programming / number of simultaneously active SFC / header SFC 13; per interface 8; SFC 53; per interface 8; SFC 57; per interface 8; SFC 57; per interface 8; SFC 58; per interface 9; SFC 58; per interface 1; SFC 103; per interface 8; SFC 58; per interface 9; SFC 58; per interface 1; SFC 103; per interface 8; SFC 59; per interface 9; SFC 59; per interface 1; SFC 103; per interface 1; SFC 103; per interface 8; SFB 50; per interface 8; SFB 50; per interface, but not more than 32 across all external interfaces 8; SFB 50; per interface, but not more than 32 across all external interfaces Yes; With S7 block Privacy Dimensions	• min.	0 °C
Configuration / header Configuration software STEP 7 Configuration / programming / header Command set Nesting levels Access to consistent data in process image System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH Hidraph® Configuration / programming / number of simultaneously active SFC / header DPSYC_FR DACT_DP RD_REC WR_REC WR_PARM PARM_MOD WR_DPARM DPNRM_DG RDSYSST DP_TOPOL Configuration / programming / number of simultaneously active SFC / header SFC 13; per interface 8; SFC 53; per interface 8; SFC 57; per interface 8; SFC 57; per interface 8; SFC 58; per interface 9; SFC 58; per interface 1; SFC 103; per interface 8; SFC 58; per interface 9; SFC 58; per interface 1; SFC 103; per interface 8; SFC 59; per interface 9; SFC 59; per interface 1; SFC 103; per interface 1; SFC 103; per interface 8; SFB 50; per interface 8; SFB 50; per interface, but not more than 32 across all external interfaces 8; SFB 50; per interface, but not more than 32 across all external interfaces Yes; With S7 block Privacy Dimensions	• max.	60 °C
STEP 7 Octomination / programming / header Command set Nesting levels Access to consistent data in process image System function blocks (SFB) See instruction list See instruction list Programming language LAD FBD STIL SCL CFC GRAPH HiGraph® Configuration / programming / number of simultaneously active SFC / sper interface WR_PARM PPARM PREC RBC RBC RBC SFC 59: per interface SFC 59: per interface SFC 59: per interface SFC 79: per interface S	configuration / header	
STEP 7 configuration / programming / header Command set Nesting levels Access to consistent data in process image System function locks (SFB) Programming language LAD FBD STL SCL FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active SFC / header DSYC_FR D_ACT_DP RSFC 12; per interface SFC 59; per interfac		S.G.P.
Ocnmand set Nesting levels Access to consistent data in process image 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_PARM — PARM_MOD — PARM_MOD — PARM_MOD — PARM_MDD — RDSYSST — DP_TOPOL — RDSYSST — DP_TOPOL — RDREC — WR_PEC — RDSYSST — DP_TOPOL — RDREC — WR_PEC — WR_PEC — RDSYSST — DP_TOPOL — RDREC — WR_PEC — WR_		Voc
Command set Nesting levels Access to consistent data in process image System functions (SFC) System functions (SFC) System function blocks (SFB) Programming language LAD FBD STL SCL CFC GRAPH HiGraph® configuration / programming / number of simultaneously active SFC / header DPSYC_FR D_ACT_DP RD_REC WR_REC WR_PARM PARM POPNRALDG RDSYSST PD_TOPOL configuration / programming / number of simultaneously active SFC / header 1; SFC 57; per interface 8; SFC 55; per interface 1; SFC 57; per interface 8; SFC 55; per interface 1; SFC 57; per interface 8; SFC 55; per interface 8; SFC 55; per interface 8; SFC 55; per interface 1; SFC 57; per interface 8; SFC 57; per interface 9; SFC 57; per interface 8; SFC 57; per interface 9; SFC 57; per interface 8; SFC 57; per interface 9; SFC 57; per interface 9; SFB / header PAREC WREC Now-now protection 9 User program protection/password protection Yes Yes Yes Yes Yes Yes Yes Ye		Tes
Nesting levels Access to consistent data in process image System function (SFC) System function blocks (SFB) Programming language — LAD — FBD — FBD — STL — SCL — CFC — GRAPH — HiGraph® — Yes configuration / programming / number of simultaneously active SFC / header — DPSYC_FR — D_ACT_DP — RD_REC — WR_PARM — PARM_MOD — WR_DPARM — PARM_MOD — WR_DPARM — DPNRM_DG — RDSYSST — DP_TOPOL Configuration / programming / number of simultaneously active SFD / header — PDFCC — SFC 66; per interface 8; SFC 65; per interface 8; SFC 13; per interface 9; SFC 13; per interfa		and the state of t
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 SFC / header - D_ACT_DP - RD_REC - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active SFC (3); per interface 8; SFC 59; per interface 8; SFC 55; per interface 9; SFC 51 1; SFC 103; per interface 8; SFC 55; per interface 8; SFC 55; per interface 9; SFC 51 1; SFC 103; per interface 9; SFC 55; per i		see instruction list
System functions (SFC) System function blocks (SFB) See instruction list Programming language		
System function blocks (SFB) Programming language - LAD - FBD - STL - SCL - CFC - GRAPH - HiGraph® configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - RD_SYST - DP_TOPOL configuration / programming / number of simultaneously active SFC (3; per interface) 8; SFC 59; per interface 8; SFC 56; per interface 8; SFC 57; per interface 8; SFC 57; per interface 8; SFC 57; per interface 8; SFC 56; per interface 8; SFC 57; per interface 9; SFC 73; per interface 8; SFC 51 - DP_TOPOL - SFB / header - WRREC - WRREC - WRREC - WRREC - WRREC - WREC - W		Yes
Programming language - LAD - FBD - STL - SCL - CFC - GRAPH - HIGraph® - STC/ header - DPSYC_FR - D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM_MOD - PARM_MOD - WR_DPARM - DPNYR_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active - RDREC - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active - RDREC - WR_REC - WR_SEC - WR_DPARM - SFC 56: per interface - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - 1: SFC 13: per interface - WR_REC - WR_REC - SFC 56: per interface - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - SFB 52: per interface - WRREC - WRREC - WRREC - WRREC - WRREC - WREC	System functions (SFC)	see instruction list
- LAD - FBD - STL - STL - SCL - CFC - GRAPH - HiGraph® configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM MOD - WR_DPARM - DPNRM_DG - RDSYST - DP_TOPOL configuration / programming / number of simultaneously active SFC / header 1; SFC 57; per interface 8; SFC 58; per interface 8; SFC 56; per interface 1; SFC 77; per interface 8; SFC 73; per interface 8; SFC 73; per interface 1; SFC 13; per interface 8; SFC 13; per interface 8; SFC 13; per interface 8; SFC 151 1; SFC 103; per interface 8; SFB 52; per interface 8; SFB 52; per interface 8; SFB 52; per interface NWREC - WRREC	System function blocks (SFB)	see instruction list
- FBD - STL - SCL - SCL - CFC - GRAPH - HiGraph® - Yes configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WR_PEC - WR_PEC - WR_PEC - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WRREC - WRREC - WRREC - WRSPSST - DP_TOPOL - RDREC - WRREC - WROPARM - PARM_ADG - RDSYSST - DP_TOPOL - RDREC - WRREC -	Programming language	
- FBU - STL - SCL - CFC - GRAPH - HiGraph® - Configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WR_REC - WR_DPARM - PARM_SEC - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WR-PARM - PARM_SEC - WR_DPARM - SEC 13; per interface - WR_DPARM - SEC 103; per interface - WR_	— LAD	
- SCL - CFC - GRAPH - HiGraph® Yes configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - WR_PARM - PARM_MOD - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - WR_PEC - WR_PEC - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active SFB / header - WRREC - WRREC - WREC - SFB 53; per interface - WREC - SFB 53; per interface, but not more than 32 across all external interfaces - WREC -	−FBD	Yes Law
- CFC - GRAPH - HiGraph® Yes configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - RD_REC - WR_PARM - PARM_MOD - PARM_MOD - PARM_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - RDREC - WR_PARM - DPNRM_DG - RDSYSST - RDFOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - WRREC - WRREC - WRREC - RDSYSST - RDFOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - WRREC	— STL ** **	Yes
- CFC - GRAPH - HiGraph® Yes configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - RD_REC - WR_PARM - PARM_MOD - PARM_MOD - PARM_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - RDREC - WR_PARM - DPNRM_DG - RDSYSST - RDFOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - WRREC - WRREC - WRREC - RDSYSST - RDFOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - WRREC	— SCL	Yes
- GRAPH - HiGraph® Yes configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - RD_REC - WR_PARM - PARM_MOD - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active SFB / header - RD_REC - RD_REC - RS_FC 55; per interface - RS_FC 55; per interface - RS_FC 56; per interface - RS_FC 56; per interface - RS_FC 57; per interface - RS_FC 58; per interface - RS_FC 59; per inte	— CFC	Yes
- HiGraph® Yes configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WR_BEC - WR_SYSST - DP_TOPOL - RDSYSST - RDSYES - RDSYES - WREC - W		Y 1 = A 1 1 1 N A = 1 A
configuration / programming / number of simultaneously active SFC / header - DPSYC_FR - D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active - RDREC - WRREC - WR_SFC 55; per interface 8; SFC 56; per interface 8; SFC 57; per interface 8; SFC 56; per interface 8; SFC 57; per interface 8; SFC 56; per interface 8; SFC 51; per interface 8; SFC 51; per interface 8; SFC 51 1; SFC 103; per interface configuration / programming / number of simultaneously active - RDREC - WRREC		~
- DPSYC_FR - D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL configuration / programming / number of simultaneously active - WRREC - WRREC - WRREC - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WRREC - WRREC - WRSPEC - WRREC - WROPARM - DPNTOPOL - RDREC - WRREC - WRRE		
- D_ACT_DP - RD_REC - WR_REC - WR_PARM - PARM_MOD - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WR_SFC 56; per interface 8; SFC 56; per interface 8; SFC 57; per interface 8; SFC 56; per interface 8; SFC 56; per interface 8; SFC 57; per interface 8; SFC 56; per interface 8; SFC 57; per interface 8; SFC 13; per interface 9; SFC 13; per interface 9; SFC 13; per interface 9; SFC 13; per i		
- RD_REC - WR_PARM - WR_PARM - PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - RDREC - WR_REC - WR_DTOPOL - RDREC - WR_DTOPOL - RDREC - RDREC - RDREC - WR_DTOPOL - RDREC - RDREC - WRREC - WRRE		
- WR_PARM - PARM_MOD - PARM_MOD - WR_DPARM - PARM_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WREC - WR		
- WR_PARM - PARM_MOD - WR_DPARM - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WREC - Block encryption - RDSYSSWOT - Block encryption - RDREC - Block encryption - RDREC - Block encryption - RDREC - PARM_MOD - 1; SFC 55; per interface - 2; SFC 56; per interface - 2; SFC 56; per interface - 3; SFC 51; per interface - 3; SFC 51; per interface - 3; SFC 51; per interface - 3; SFC 55; per interface - 3; SFC 56; per interface - 4; SFC 56; per interface - 5; SFC 56; per interface -		
- PARM_MOD - WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - Configuration / programming / number of simultaneously active SFB / header - WREC - WREC - WRREC - WRREC - WRREC - WROST - User program protection/password protection - User program protection/password protection - Block encryption - SFC 57; per interface 2; SFC 56; per interface 8; SFC 13; per interface 8; SFB 51; per interface 8; SFB 52; per interface, but not more than 32 across all external interfaces 8; SFB 53; per interface, but not more than 32 across all external interfaces Yes - With S7 block Privacy Dimensions		
- WR_DPARM - DPNRM_DG - RDSYSST - DP_TOPOL - RDREC - WRREC - WRREC - WRREC - WRREC - WROW-how protection - User program protection/password protection - Block encryption - Block encryption - WR_DPARM - RDREC - WR SFC 13; per interface 8; SFC 13; per interface 1; SFC 103; per interface 8; SFB 52; per interface, but not more than 32 across all external interfaces 8; SFB 52; per interface, but not more than 32 across all external interfaces 7 Yes 9 With S7 block Privacy		
- DPNRM_DG - RDSYSST - DP_TOPOL - Configuration / programming / number of simultaneously active - RDREC - WRREC - WRREC - WRREC - Were program protection • User program protection/password protection • Block encryption • Block encryption **SFC 13; per interface 8; SFC 13; per interface 8; SFB 52; per interface, but not more than 32 across all external interfaces Yes Yes; With S7 block Privacy	— PARM_MOD	
- RDSYSST - DP_TOPOL - RDREC - RDREC - WRREC WRREC Would be program protection User program protection/password protection Block encryption SFC 13, per interface 1; SFC 103; per interface SFB / header Payth	- WR_DPARM	
- DP_TOPOL configuration / programming / number of simultaneously active SFB / header - RDREC - WRREC WRREC SFB 52; per interface, but not more than 32 across all external interfaces 8; SFB 53; per interface, but not more than 32 across all external interfaces Know-how protection • User program protection/password protection • Block encryption Yes With S7 block Privacy	- DPNRM_DG VV VV . Saze	8; SFC 13; per interface
- DP_TOPOL configuration / programming / number of simultaneously active SFB / header	— RDSYSST	8; SFC 51
configuration / programming / number of simultaneously active SFB / header	— DP_TOPOL	
 — RDREC — WRREC &; SFB 52; per interface, but not more than 32 across all external interfaces Know-how protection User program protection/password protection ◆ Block encryption Yes; With S7 block Privacy Dimensions	() (() () ()	shacetar paytakht
 — WRREC Know-how protection ● User program protection/password protection ● Block encryption Dimensions 8; SFB 53; per interface, but not more than 32 across all external interfaces Yes Yes; With S7 block Privacy 		
Know-how protection • User program protection/password protection • Block encryption Yes; With S7 block Privacy Dimensions		
 User program protection/password protection Block encryption Ves; With S7 block Privacy Dimensions		o, or b oo, per interiace, but not more than ob across all external interiaces
◆ Block encryption Yes; With S7 block Privacy Dimensions	·	Vec
Dimensions		
		res, with S7 block privacy
Width 25 mm		
	Width	25 mm

Height	290 mm
Depth	219 mm
Weights	
Weight, approx.	700 g

last modified: 9/7/2023 🖸



سازه گستر پایتخت تامین کننده ملزومات برق

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