SIEMENS

Data sheet

6ES7314-1AG14-0AB0



SIMATIC S7-300, CPU 314 Central processing unit with MPI, Integr. power supply 24 V DC, work memory 128 KB, Micro Memory Card required

Figure similar

Current consumption (rated value) Current consumption (in no-load operation), typ. Inrush current, typ. It 140 mA Inrush current, typ. It 1 A²-s Power loss Power loss, typ. Work memory Integrated Inte	Compared information	
HW functional status Firmware version 0.3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .		
Firmware version V3.3 Engineering with ● Programming package STEP 7 V5.5 + SP1 or higher or STEP 7 V5.2 + SP1 or higher with HSP 218 Supply voltage Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V external protection for power supply lines (recommendation) 2 A min. Mains buffering ● Mains/voltage failure stored energy time 5 5 ms • Repeat rate, min. 1 s noput current Current consumption (rated value) 650 mA Current consumption (rated value) 850 mA Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. 3.5 A Pt Power loss, typ. 4 W Momory Work memory ● Plug-in (MMC) 35 ms 36 ms 37 ms 37 ms 37 ms 37 ms 38 ms 3		
Programming package STEP 7 V5.5 + SP1 or higher or STEP 7 V5.2 + SP1 or higher with HSP 218 Stuply voltage Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V external protection for power supply lines (recommendation) 2 A min. Mains buffering Mains voltage failure stored energy time 5 ms Repeat rate, min. 1 s nput current Current consumption (rated value) 650 mA Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. 3.5 A Pr Power loss Power loss Power loss, typ. 4 W Memory Integrated 128 kbyte expandable No Load memory Plug-in (MMC) Yes Plug-in (MMC) Yes Plug-in (MMC) Yes Plug-in (MMC) Nax. 8 Mbyte Plug-in (MMC) Yes Plug-in (MMC		
• Programming package STEP 7 V5.5 + SP1 or higher or STEP 7 V5.2 + SP1 or higher with HSP 218 Supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) external protection for power supply lines (recommendation) Alains buffering • Mains/voltage failure stored energy time • Repeat rate, min. • Repeat rate, min. **Durrent consumption (rated value) Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. Pt 1 A²s Power loss, typ. Work memory • integrated • expandable Load memory • Plug-in (MMC) • Plug		V3.3
Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible r		
Rated value (DC)		STEP 7 V5.5 + SP1 or higher or STEP 7 V5.2 + SP1 or higher with HSP 218
permissible range, lower limit (DC) 28.8 V external protection for power supply lines (recommendation) 2 A min. Mains buffering Mains/voltage failure stored energy time 5 ms Repeat rate, min. 1 s **Protection for power supply lines (recommendation) 1 s **Protection for power supply lines (recommendation) 1 s **Protection for power supply lines (recommendation) 2 ms Repeat rate, min. 1 s **Protection for power supply lines (recommendation) 1 s **Protection for fixed value	Supply voltage	
permissible range, upper limit (DC) external protection for power supply lines (recommendation) Mains buffering Mains/voltage failure stored energy time Repeat rate, min. 1 s Input current Current consumption (rated value) 650 mA Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. 3.5 A Pt 1 A²-s Power loss, typ. Work memory integrated expandable varpandable Load memory Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup p resent e without battery Yes; Guaranteed by MMC (maintenance-free) without battery Yes; Program and data CPU processing times for bit operations, typ. 0.16 µs for fixed point arithmetic, typ. 0.16 µs for fixed point arithmetic, typ. 0.16 µs for fixed point arithmetic, typ. 0.59 µs	Rated value (DC)	24 V
external protection for power supply lines (recommendation) Mains buffering Mains/voltage failure stored energy time Repeat rate, min. 1 s nput current Current consumption (rated value) 650 mA Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. 3.5 A Pt 1 A²-s Power loss, typ. Work memory Work memory View plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present without battery Power loss, typ. Yes, Guaranteed by MMC (maintenance-free) without battery Yes, Program and data CPU processing times for bit operations, typ. 0.06 µs for riced point arithmetic, typ. 0.15 µs for fixed point arithmetic, typ. 0.59 µs for fixed point arithmetic, typ. 0.59 µs	permissible range, lower limit (DC)	19.2 V
Mains buffering • Mains/voltage failure stored energy time • Repeat rate, min. Input current Current consumption (rated value) 650 mA Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. 3.5 A Ift 1 A²-s Power loss Power loss Power loss, typ. 4 W Memory Work memory • integrated • expandable • expandable Load memory • Plug-in (MMC), max. • Data management on MMC (after last programming), min. Backup • present • without battery Processing times for bit operations, typ. 0.06 µs for word operations, typ. for fixed point arithmetic, typ. 0.16 µs for floating point arithmetic, typ. 0.16 µs for floating point arithmetic, typ. 0.59 µs	permissible range, upper limit (DC)	28.8 V
• Mains/voltage failure stored energy time • Repeat rate, min. Input current Current consumption (rated value) Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. 3.5 A Pt 1 A²-s Power loss, typ. Work memory • integrated • expandable • expandable Load memory • Plug-in (MMC), max. • Plug-in (MMC), max. • Data management on MMC (after last programming), min. Backup • present • without battery • without battery CPU processing times for bit operations, typ. for fixed point arithmetic, typ. for fixed point arithmetic, typ. 0.16 µs for floating point arithmetic, typ. 0.59 µs	external protection for power supply lines (recommendation)	2 A min.
Repeat rate, min. Input current Current consumption (rated value) Current consumption (in no-load operation), typ. 140 mA 140 mA Inrush current, typ. 1 A²-s Power loss, typ. Power loss, typ. 4 W Memory Work memory integrated e expandable e expandable Polug-in (MMC), max. Data management on MMC (after last programming), min. Backup p present e present e without battery Poresersing times for bit operations, typ. 0.06 μs for word operations, typ. for fixed point arithmetic, typ. 0.59 μs 650 mA 650 mA 640 mA 650 mA 650 mA 640 mA 650 ma	Mains buffering	
Tourent consumption (rated value) Current consumption (in no-load operation), typ. Inrush current, typ. Power loss Power loss Power loss, typ. Work memory integrated expandable expandable Load memory Plug-in (MMC), max. Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup p present without battery Yes; Guaranteed by MMC (maintenance-free) without battery Yes; Program and data CPU processing times for bit operations, typ. for bix operations, typ. for fixed point arithmetic, typ. for fixed point arithmetic, typ. for floating point arithmetic, typ. 6550 mA 6550 mA 6550 mA 6550 mA 640 mA 6550 mA 6550 mA 6550 mA 640 mA 6550 m	 Mains/voltage failure stored energy time 	5 ms
Current consumption (rated value) Current consumption (in no-load operation), typ. Inrush current, typ. Pt 1 A²-s Power loss Power loss, typ. Work memory integrated expandable expandable Load memory Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present without battery Processing times for bit operations, typ. for bit operations, typ. for fixed point arithmetic, typ. O.59 µs for floating point arithmetic, typ. 140 mA 3.5 A 140 mA 3.5 A 4 W Work memory 4 W Wowner 4 W Wown	Repeat rate, min.	1 s
Current consumption (in no-load operation), typ. 140 mA Inrush current, typ. 3.5 A IPt 1 A²-s Power loss, Power loss, typ. 4 W Memory Work memory • integrated 128 kbyte • expandable No Load memory • Plug-in (MMC) Yes • Plug-in (MMC), max. 8 Mbyte • Data management on MMC (after last programming), min. Backup • present Yes; Guaranteed by MMC (maintenance-free) • without battery Yes; Program and data CPU processing times for bit operations, typ. 0.06 µs for word operations, typ. 0.12 µs for fixed point arithmetic, typ. 0.59 µs	Input current	
Inrush current, typ. 3.5 A I²t 1 A²-s Power loss, Power loss, typ. 4 W Memory Work memory • integrated 128 kbyte • expandable No Load memory • Plug-in (MMC) Yes • Plug-in (MMC), max. 8 Mbyte • Data management on MMC (after last programming), min. Backup • present Yes; Guaranteed by MMC (maintenance-free) • without battery Yes; Program and data CPU processing times for bit operations, typ. 0.06 µs for word operations, typ. 0.12 µs for fixed point arithmetic, typ. 0.59 µs	Current consumption (rated value)	650 mA
Power loss Power loss, typ. Work memory integrated expandable No Load memory Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup integrated present without battery Present without battery Presert without battery Presert without particular of the present of the prese	Current consumption (in no-load operation), typ.	140 mA
Power loss Power loss, typ. 4 W Memory Work memory integrated expandable Load memory Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present expresent exit of bit operations, typ. for word operations, typ. for floating point arithmetic, typ. 4 W W W W W W W W W W W W W	Inrush current, typ.	3.5 A
Power loss, typ. Memory Work memory integrated expandable Load memory Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present present without battery Presest Without battery For bit operations, typ. for word operations, typ. for fixed point arithmetic, typ. 4 W W W W W W W A W W W W A W W W W A W W W W A W W W A W W W A W W W A W W W A W W W A W W A W W W A W A W W A W A W W A W A W W A W A W A W W A W	l²t	1 A ² ·s
Work memory integrated expandable No Load memory Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present present very; Guaranteed by MMC (maintenance-free) without battery Yes; Program and data CPU processing times for bit operations, typ. for word operations, typ. for word operations, typ. for fixed point arithmetic, typ. 0.16 0.59 0.59 0.59	Power loss	
Work memory • integrated • expandable • No Load memory • Plug-in (MMC) • Plug-in (MMC), max. • Data management on MMC (after last programming), min. • Present • present • without battery • without battery	Power loss, typ.	4 W
 integrated expandable No Load memory Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present without battery without battery Yes; Guaranteed by MMC (maintenance-free) yes; Program and data CPU processing times for bit operations, typ. 0.06 µs for word operations, typ. 0.12 µs for fixed point arithmetic, typ. 0.59 µs 	Memory	
expandable No Load memory Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present ves; Guaranteed by MMC (maintenance-free) vithout battery Yes; Program and data CPU processing times for bit operations, typ. 0.06 for word operations, typ. 0.12 ps for fixed point arithmetic, typ. 0.59 ps	Work memory	
Load memory Plug-in (MMC) Plug-in (MMC), max. Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present vithout battery Processing times for bit operations, typ. for word operations, typ. for fixed point arithmetic, typ. for floating point arithmetic, typ. Ves Yes Yes Suaranteed by MMC (maintenance-free) Yes; Program and data CPU processing times 0.06 0.12 0.16 0.16 0.16 0.15 0.59 0.59 0.59 0.59 0.59 0.59 0.59 0.59 0.59 0.59 0.59	integrated	128 kbyte
 Plug-in (MMC) Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present without battery Yes; Guaranteed by MMC (maintenance-free) yes; Program and data CPU processing times for bit operations, typ. 0.06 μs for word operations, typ. 0.12 μs for fixed point arithmetic, typ. 0.16 μs for floating point arithmetic, typ. 0.59 μs 	• expandable	No
 Plug-in (MMC), max. Data management on MMC (after last programming), min. Backup present without battery Yes; Guaranteed by MMC (maintenance-free) without battery Yes; Program and data CPU processing times for bit operations, typ. 0.06 µs for word operations, typ. 0.12 µs for fixed point arithmetic, typ. 0.16 µs for floating point arithmetic, typ. 0.59 µs 	Load memory	
 Data management on MMC (after last programming), min. Backup present without battery Yes; Guaranteed by MMC (maintenance-free) without battery CPU processing times for bit operations, typ. 0.06 μs for word operations, typ. 0.12 μs for fixed point arithmetic, typ. 0.16 μs for floating point arithmetic, typ. 0.59 μs	• Plug-in (MMC)	Yes
min. Backup	• Plug-in (MMC), max.	8 Mbyte
Backup		10 a
 present present without battery CPU processing times for bit operations, typ. for word operations, typ. for fixed point arithmetic, typ. 0.12 μs for floating point arithmetic, typ. 0.59 μs 		
● without battery Yes; Program and data CPU processing times for bit operations, typ. for word operations, typ. 0.06 μs for fixed point arithmetic, typ. 0.12 μs for floating point arithmetic, typ. 0.59 μs	·	
CPU processing times for bit operations, typ. 0.06 μs for word operations, typ. 0.12 μs for fixed point arithmetic, typ. 0.16 μs for floating point arithmetic, typ. 0.59 μs	•	
for bit operations, typ. for word operations, typ. for fixed point arithmetic, typ. for floating point arithmetic, typ. 0.06 μs 0.12 μs 0.16 μs 0.16 μs		Yes; Program and data
for word operations, typ. for fixed point arithmetic, typ. for floating point arithmetic, typ. 0.12 μs 0.16 μs 0.59 μs	CPU processing times	
for fixed point arithmetic, typ. 0.16 μs for floating point arithmetic, typ. 0.59 μs	for bit operations, typ.	0.06 μs
for floating point arithmetic, typ. 0.59 µs	for word operations, typ.	0.12 μs
· ·	for fixed point arithmetic, typ.	0.16 μs
	**	0.59 μs

Number of blocks (total)	1 024; (DBs, FCs, FBs); the maximum number of loadable blocks can be
DB	reduced by the MMC used.
	4.004. Novel an area 4 to 40000
Number, max.	1 024; Number range: 1 to 16000
• Size, max.	64 kbyte
FB	4.004. Noveles assessed to 7000
Number, max.	1 024; Number range: 0 to 7999
• Size, max.	64 kbyte
FC . Number may	4.004: Number reases 0 to 7000
Number, max. Oing max. Oing max.	1 024; Number range: 0 to 7999
• Size, max.	64 kbyte
OB	and instruction list
Number, max. Size may.	see instruction list
Size, max. Number of free surele ODs.	64 kbyte
Number of free cycle OBs Number of time classes OBs	1; OB 1
Number of time alarm OBs Number of delay slarm OBs	1; OB 10
Number of delay alarm OBs Number of custo interrupt OBs	2; OB 20, 21
Number of cyclic interrupt OBs Number of process clarm OBs	4; OB 32, 33, 34, 35
Number of process alarm OBs Number of startus OBs	1; OB 40
Number of startup OBs	1; OB 100
Number of asynchronous error OBs	4; OB 80, 82, 85, 87
Number of synchronous error OBs	2; OB 121, 122
Nesting depth	
 per priority class 	16
additional within an error OB	4
Counters, timers and their retentivity	
S7 counter	
Number	256
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	256
Retentivity	
— adjustable	Yes
— preset	No retentivity
Time range	
— lower limit	10 ms
— upper limit	9 990 s
IEC timer	
• present	Yes
• Type	SFB
Number	Unlimited (limited only by RAM capacity)
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	64 kbyte
Flag	
• Size, max.	256 byte
Retentivity available	Yes; MB 0 to MB 255
Retentivity preset	
	MB 0 to MB 15
Number of clock memories	MB 0 to MB 15 8; 1 memory byte
Number of clock memories Data blocks	
Data blocks	8; 1 memory byte

• per priority class, max.	32 kbyte; Max. 2 KB per block
Address area	, , , , , , , , , , , , , , , , , , , ,
I/O address area	
• Inputs	1 024 byte
Outputs	1 024 byte
Process image	
• Inputs	1 024 byte
• Outputs	1 024 byte
Inputs, adjustable	1 024 byte
Outputs, adjustable	1 024 byte
Inputs, default	128 byte
Outputs, default	128 byte
Digital channels	
• Inputs	1 024
— of which central	1 024
Outputs	1 024
— of which central	1 024
Analog channels	
• Inputs	256
— of which central	256
Outputs	256
— of which central	256
Hardware configuration	
Number of expansion units, max.	3
Number of DP masters	
• integrated	0
• via CP	4
Number of operable FMs and CPs (recommended)	
● FM	8
• CP, PtP	8
• CP, LAN	10
Rack	
Racks, max.	4
Modules per rack, max.	8
Time of day	
Clock	V
Hardware clock (real-time)	Yes
retentive and synchronizable	Yes
Backup time Political past day, may	6 wk; At 40 °C ambient temperature
Deviation per day, max. Palacitize of the clash following POWER ON.	10 s; Typ.: 2 s
Behavior of the clock following POWER-ON Paper in a fitte clock following expire of backup period	Clock continues running after POWER OFF
Behavior of the clock following expiry of backup period Operating hours counter.	the clock continues at the time of day it had when power was switched off
Operating hours counter	1
Number Number/Number range	1
Number/Number range Pange of values	
Range of values	0 to 2 ³¹ hours (when using SFC 101)
Granularity	
Granularity retentive	1 h Vec: Must be restarted at each restart
• retentive	Yes; Must be restarted at each restart
retentive Clock synchronization	Yes; Must be restarted at each restart
retentiveClock synchronizationsupported	Yes; Must be restarted at each restart Yes
 retentive Clock synchronization supported to MPI, master 	Yes; Must be restarted at each restart Yes Yes
 retentive Clock synchronization supported to MPI, master on MPI, device 	Yes; Must be restarted at each restart Yes Yes Yes
 retentive Clock synchronization supported to MPI, master on MPI, device in AS, master 	Yes; Must be restarted at each restart Yes Yes Yes Yes
 retentive Clock synchronization supported to MPI, master on MPI, device in AS, master in AS, device 	Yes; Must be restarted at each restart Yes Yes Yes
retentive Clock synchronization supported to MPI, master on MPI, device in AS, master in AS, device Digital inputs	Yes; Must be restarted at each restart Yes Yes Yes Yes No
retentive Clock synchronization supported to MPI, master on MPI, device in AS, master in AS, device Digital inputs Number of digital inputs	Yes; Must be restarted at each restart Yes Yes Yes Yes
retentive Clock synchronization supported to MPI, master on MPI, device in AS, master in AS, device Digital inputs Number of digital inputs Digital outputs	Yes; Must be restarted at each restart Yes Yes Yes Yes No
retentive Clock synchronization supported to MPI, master on MPI, device in AS, master in AS, device Digital inputs Number of digital inputs Number of digital outputs Number of digital outputs	Yes; Must be restarted at each restart Yes Yes Yes Yes No
retentive Clock synchronization supported to MPI, master on MPI, device in AS, master in AS, device Digital inputs Number of digital inputs Digital outputs	Yes; Must be restarted at each restart Yes Yes Yes Yes No

Interfaces	
Number of PROFINET interfaces	0
Number of RS 485 interfaces	1; MPI
Number of RS 422 interfaces	0
1. Interface	
Interface type	Integrated RS 485 interface
Isolated	No
Interface types	140
• RS 485	Yes
Output current of the interface, max.	200 mA
Protocols	200 IIIA
• MPI	Yes
PROFIBUS DP master	No
PROFIBUS DP device	No
Point-to-point connection	No
MPI	INU
Transmission rate, max.	187.5 kbit/s
Services	IOT.O KUIUS
— PG/OP communication	Yes
— PG/OP confinding	No
Global data communication	Yes
— S7 basic communication	Yes
— S7 basic communication — S7 communication	Yes; Only server, configured on one side
S7 communication S7 communication, as client	No
— S7 communication, as server	Yes
Protocols	165
PROFIsafe	No
communication functions / header	INU
PG/OP communication	Yes
Data record routing	No
Global data communication	INU
supported	Yes
Number of GD loops, max.	8
Number of GD packets, max.	8
Number of GD packets, max. Number of GD packets, transmitter, max.	8
Number of GD packets, receiver, max.	8
Size of GD packets, max.	22 byte
Size of GD packet (of which consistent), max.	22 byte
S7 basic communication	22 byte
• supported	Yes
User data per job, max.	76 byte
User data per job (of which consistent), max.	76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET
——————————————————————————————————————	as server)
S7 communication	
• supported	Yes
• as server	Yes
• as client	Yes; Via CP and loadable FB
• User data per job, max.	180 byte; With PUT/GET
User data per job (of which consistent), max.	240 byte; as server
S5 compatible communication	
• supported	Yes; via CP and loadable FC
Number of connections	
• overall	12
 usable for PG communication 	11
	1
 reserved for PG communication 	
reserved for PG communicationadjustable for PG communication, min.	1
	1 11
— adjustable for PG communication, min.	
— adjustable for PG communication, min.— adjustable for PG communication, max.	11
— adjustable for PG communication, min.— adjustable for PG communication, max.• usable for OP communication	11 11

usable for S7 basic communication	8
 reserved for S7 basic communication 	0
 adjustable for S7 basic communication, min. 	0
adjustable for S7 basic communication, max.	8
S7 message functions	
Number of login stations for message functions, max.	12; Depending on the configured connections for PG/OP and S7 basic communication
Process diagnostic messages	Yes
simultaneously active Alarm-S blocks, max.	300
Test commissioning functions	
Status block	Yes; Up to 2 simultaneously
Single step	Yes
Number of breakpoints	4
Status/control	
 Status/control variable 	Yes
 Variables 	Inputs, outputs, memory bits, DB, times, counters
 Number of variables, max. 	30
— of which status variables, max.	30
— of which control variables, max.	14
Forcing	
Forcing	Yes
 Forcing, variables 	Inputs, outputs
Number of variables, max.	10
Diagnostic buffer	
• present	Yes
Number of entries, max.	500
— adjustable	No
 of which powerfail-proof 	100; Only the last 100 entries are retained
 Number of entries readable in RUN, max. 	499
— adjustable	Yes; From 10 to 499
— preset	10
Service data	
• can be read out	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
configuration / header	
Configuration software	
• STEP 7	Yes; V5.2 SP1 or higher with HW update
configuration / programming / header	, so, voiz or voringnor marrin apacie
Command set	see instruction list
Nesting levels	8
-	
 System functions (SEC) 	see instruction list
System functions (SFC) System function blocks (SFB)	see instruction list
System function blocks (SFB)	see instruction list see instruction list
System function blocks (SFB) Programming language	see instruction list
System function blocks (SFB) Programming language — LAD	see instruction list Yes
System function blocks (SFB) Programming language — LAD — FBD	Yes Yes
System function blocks (SFB) Programming language — LAD — FBD — STL	Yes Yes Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL	Yes Yes Yes Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC	Yes Yes Yes Yes Yes Yes
◆ System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH	Yes Yes Yes Yes Yes Yes Yes Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph®	Yes Yes Yes Yes Yes Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Know-how protection	Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Know-how protection • User program protection/password protection	Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Know-how protection • User program protection/password protection • Block encryption	Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Know-how protection • User program protection/password protection • Block encryption Dimensions	Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Know-how protection • User program protection/password protection • Block encryption Dimensions Width	Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Know-how protection • User program protection/password protection • Block encryption Dimensions Width Height	Yes
System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Know-how protection • User program protection/password protection • Block encryption Dimensions Width	Yes

Weight, approx.	280 g

last modified: 4/25/2024 🖸