6ES7313-6CG04-0AB0

Data sheet



SIMATIC S7-300, CPU 313C-2 DP Compact CPU with MPI, 16 DI/16 DO, 3 high-speed counters (30 kHz), integrated DP interface, Integr. power supply 24 V DC, work memory 128 KB, Front connector (1x 40-pole) and Micro Memory Card required

General information	
HW functional status	01
Firmware version	V3.3
Engineering with	
Programming package	STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203
Supply 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)	Miniature circuit breaker, type C; min. 2 A; miniature circuit breaker type B, min. 4 A
Mains buffering	
 Mains/voltage failure stored energy time 	5 ms
Repeat rate, min.	1 s
Load voltage L+	
Digital inputs	
— Rated value (DC)	24 V
 Reverse polarity protection 	Yes
Digital outputs	
— Rated value (DC)	24 V
Reverse polarity protection	No
Input current	
Current consumption (rated value)	800 mA
Current consumption (in no-load operation), typ.	110 mA
Inrush current, typ.	5 A
l²t	0.7 A ² ·s
Digital inputs	
from load voltage L+ (without load), max.	80 mA
Digital outputs	
• from load voltage L+, max.	50 mA
Power loss	
Power loss, typ.	9 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)	10 y
programming), min.	
Backup	
• present	Yes; Guaranteed by MMC (maintenance-free)
without battery	Yes; Program and data
CPU processing times	
for bit operations, typ.	0.07 µs
for word operations, typ.	0.15 µs
for fixed point arithmetic, typ.	0.2 μs
for floating point arithmetic, typ.	0.72 µs
CPU-blocks	
Number of blocks (total)	1 024; (DBs, FCs, FBs); the maximum number of loadable blocks can be reduced by the MMC used.
DB	
 Number, max. 	1 024; Number range: 1 to 16000
• Size, max.	64 kbyte
FB	
Number, max.	1 024; Number range: 0 to 7999
• Size, max.	64 kbyte
FC	
Number, max.	1 024; 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	1; OB 10
Number of delay alarm OBs	2; OB 20, 21
Number of cyclic interrupt OBs	4; OB 32, 33, 34, 35
Number of process alarm OBs	1; OB 40
Number of DPV1 alarm OBs Number of startum OBs	3; OB 55, 56, 57
Number of startup OBs	1; OB 100
Number of asynchronous error OBsNumber of synchronous error OBs	5; OB 80, 82, 85, 86, 87 2; OB 121, 122
Nesting depth	2, OD 121, 122
per priority class	16
additional within an error OB	4
Counters, timers and their retentivity	
S7 counter • Number	256
Retentivity	200
— adjustable	Yes
— lower limit	0
— upper limit	255
— 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
— lower limit	0
— upper limit	255
— preset	No retentivity

Time range	
Time range — lower limit	10 ms
— upper limit	9 990 s
IEC timer	9 990 8
	Yes
presentType	SFB
Number	
	Unlimited (limited only by RAM capacity)
Data areas and their retentivity	0411.4
Retentive data area (incl. timers, counters, flags), max.	64 kbyte
Flag	OFF hydo
• Size, max.	256 byte
Retentivity available	Yes; MB 0 to MB 255
Retentivity presetNumber of clock memories	MB 0 to MB 15
Data blocks	8; 1 memory byte
	Voc. via non ratain proporty on DP
Retentivity adjustable Detentivity procest	Yes; via non-retain property on DB Yes
Retentivity preset	res
Local data	22 khuta: May 2019 hutaa nar black
per priority class, max. Address area	32 kbyte; Max. 2048 bytes per block
Address area	
I/O address area	2.049 hyto
• Inputs	2 048 byte
Outputs	2 048 byte
of which distributed	0.000
— Inputs	2 030 byte
— Outputs	2 030 byte
Process image	2 040 hvda
• Inputs	2 048 byte
Outputs	2 048 byte
Inputs, adjustable Outputs, adjustable	2 048 byte
Outputs, adjustable	2 048 byte
Inputs, default	128 byte
Outputs, default	128 byte
Default addresses of the integrated channels — Digital inputs	124.0 to 125.7
— Digital outputs	124.0 to 125.7
Digital channels	16.256
• Inputs	16 256
— of which central	1 008
Outputs of which control	16 256
— of which central	1 008
Analog channels • Inputs	1 015
of which central	248
	1 015
Outputs— of which central	248
	270
Hardware configuration	2
Number of PR masters	3
Number of DP masters	1
integratedvia CP	1
	4
Number of operable FMs and CPs (recommended) • FM	9
● FM ● CP, PtP	8
• CP, PtP • CP, LAN	8 6
• CP, LAIN Rack	
	4
Racks, max.Modules per rack, max.	8; In rack 3 max. 7
Time of day	o, in rack o max. I
Time or day	

Clock	
Hardware clock (real-time)	Yes
retentive and synchronizable	Yes
Backup time	6 wk; At 40 °C ambient temperature
Deviation per day, max.	10 s; Typ.: 2 s
Behavior of the clock following POWER-ON	
	Clock continues running after POWER OFF
 Behavior of the clock following expiry of backup period 	the clock continues at the time of day it had when power was switched off
Operating hours counter	
Number	1
 Number/Number range 	0
Range of values	0 to 2^31 hours (when using SFC 101)
Granularity	1 h
• retentive	Yes; Must be restarted at each restart
Clock synchronization	
supported	Yes
• to MPI, master	Yes
• to MPI, slave	Yes
• to DP, master	Yes; With DP slave only slave clock
• to DP, slave	Yes
• in AS, master	Yes
• in AS, slave	No
Digital inputs	
Number of digital inputs	16
of which inputs usable for technological functions	12
integrated channels (DI)	16
Input characteristic curve in accordance with IEC 61131,	Yes
type 1	
Number of simultaneously controllable inputs	
horizontal installation	
— up to 40 °C, max.	16
— up to 60 °C, max.	8
vertical installation	
— up to 40 °C, max.	8
Input voltage	
Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	+15 to +30 V
Input current	
● for signal "1", typ.	8 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable — Rated value	Yes; 0.1 / 0.3 / 3 / 15 ms (You can reconfigure the input delay of the standard inputs during program runtime. Please note that under certain circumstances your newly set filter time may not be effective until the next filter cycle.) 3 ms
for technological functions	V IIIO
— at "0" to "1", max.	16 μs; Minimum pulse width/minimum pause between pulses at
— at o to 1, max.	maximum counting frequency
Cable length	
• shielded, max.	1 000 m; 100 m for technological functions
• unshielded, max.	600 m; for technological functions: No
for technological functions	
— shielded, max.	100 m; at maximum count frequency
— unshielded, max.	not allowed
Digital outputs	
Number of digital outputs	16
of which high-speed outputs	4; Notice: You cannot connect the fast outputs of your CPU in parallel
integrated channels (DO)	16
Short-circuit protection	Yes; Clocked electronically
Onor-onoun protoonon	100, Olooked electromodily

a Pagnanga threshold tun	1.0
Response threshold, typ. Limitation of industive shutdown voltage to	1 A
Limitation of inductive shutdown voltage to	L+ (-48 V) Yes
Controlling a digital input Switching capacity of the outputs	1 53
on lamp load, max.	5 W
Load resistance range	O VV
lower limit	48 Ω
upper limit	4 kΩ
Output voltage	
• for signal "1", min.	L+ (-0.8 V)
Output current	
for signal "1" rated value	500 mA
for signal "1" permissible range, min.	5 mA
• for signal "1" permissible range, max.	0.6 A
for signal "1" minimum load current	5 mA
• for signal "0" residual current, max.	0.5 mA
Parallel switching of two outputs	
• for uprating	No
for redundant control of a load	Yes
Switching frequency	
 with resistive load, max. 	100 Hz
 with inductive load, max. 	0.5 Hz
on lamp load, max.	100 Hz
of the pulse outputs, with resistive load, max.	2.5 kHz
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	3 A
— up to 60 °C, max.	2 A
vertical installation	
— up to 40 °C, max.	2 A
Cable length	
• shielded, max.	1 000 m
unshielded, max.	600 m
Analog inputs	
Number of analog inputs	0
integrated channels (AI)	0
Analog outputs	
Number of analog outputs	0
integrated channels (AO)	0
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
 permissible quiescent current (2-wire sensor), 	1.5 mA
max.	
Interfaces	
Number of industrial Ethernet interfaces	0
Number of PROFINET interfaces	0
Number of RS 485 interfaces	2; MPI and PROFIBUS DP
Number of RS 422 interfaces	0
1. Interface	
Interface type	Integrated RS 485 interface
Isolated	No
Interface types	
• RS 485	Yes
Output current of the interface, max.	200 mA
Protocols	· ·
• MPI	Yes
PROFIBUS DP master	No No
 PROFIBUS DP slave 	No
 Point-to-point connection 	No

MPI	
Transmission rate, max.	187.5 kbit/s
Services	
— PG/OP communication	Yes
— Routing	Yes
 Global data communication 	Yes
 S7 basic communication 	Yes
— S7 communication	Yes; Only server, configured on one side
 — S7 communication, as client 	No; but via CP and loadable FB
 S7 communication, as server 	Yes
2. Interface	
Interface type	Integrated RS 485 interface
Isolated	Yes
Interface types	V
• RS 485	Yes
Output current of the interface, max.	200 mA
Protocols	No
MPI DROFINET IO Controller	No No
PROFINET IO Controller PROFINET IO Devices	No No
PROFINET IO Device PROFINET CBA	No No
PROFINET CBA PROFIBUS DP master	No Yes
PROFIBUS DP master PROFIBUS DP slave	Yes
PROFIBUS DP slave	100
Transmission rate, max.	12 Mbit/s
Number of DP slaves, max.	124
Services	
— PG/OP communication	Yes
— Routing	Yes
Global data communication	No
 S7 basic communication 	Yes; I blocks only
— S7 communication	Yes; Yes (only server; connection configured at one end)
 S7 communication, as client 	No
 S7 communication, as server 	Yes
— Equidistance	Yes
— Isochronous mode	No
— SYNC/FREEZE	Yes
 Activation/deactivation of DP slaves 	Yes
 Number of DP slaves that can be simultaneously activated/deactivated, max. 	8
 — Direct data exchange (slave-to-slave communication) 	Yes; as subscriber
— DPV1	Yes
Address area	
— Inputs, max.	2 kbyte
— Outputs, max.	2 kbyte
User data per DP slave	
— Inputs, max.	244 byte
— Outputs, max.	244 byte
PROFIBUS DP slave • GSD file	The latest GSD file is available on the Internet
	(http://www.siemens.com/profibus-gsd)
Transmission rate, max. automatic hand rate search	12 Mbit/s
automatic baud rate search Address area may	Yes; only with passive interface
Address area, max. User data per address area, max.	32 32 buto
User data per address area, max. Services	32 byte
— PG/OP communication	Yes
— PG/OP communication — Routing	Yes; Only with active interface
Global data communication	No
— S7 basic communication	No
— 57 basic communication	TVO

— S7 communication	Yes; Yes (only server; connection configured at one end)
— S7 communication, as client	No
— S7 communication, as server	Yes
Direct data exchange (slave-to-slave)	Yes
communication)	.66
— DPV1	No
Transfer memory	
— Inputs	244 byte
— Outputs	244 byte
Protocols	
PROFIsafe	No
communication functions / header	
PG/OP communication	Yes
Data record routing	Yes
Global data communication	
supported	Yes
 Number of GD loops, max. 	8
 Number of GD packets, max. 	8
 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	
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
S7 communication	X_GET as server)
	Von
• supported	Yes Yes
as server as client	
User data per job, max.	Yes; Via CP and loadable FB
User data per job (of which consistent), max.	180 kbyte; With PUT/GET 240 byte; as server
S5 compatible communication	240 byte, as server
• supported	Yes; via CP and loadable FC
Number of connections	100, via di ana locado i d
• overall	8
usable for PG communication	7
reserved for PG communication	1
adjustable for PG communication, min.	1
adjustable for PG communication, max.	7
usable for OP communication	7
reserved for OP communication	1
adjustable for OP communication, min.	1
adjustable for OP communication, max.	7
usable for S7 basic communication	4
reserved for S7 basic communication	0
adjustable for S7 basic communication, min.	0
adjustable for S7 basic communication, max.	4
usable for routing	4; max.
S7 message functions	
Number of login stations for message functions, max.	8; 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
Interrupts/diagnostics/status information	
Diagnostics indication LED	V
Status indicator digital input (green) Status indicator digital output (green)	Yes
Status indicator digital output (green)	Yes
Integrated Functions	
Frequency measurement	Yes
Number of frequency meters	3; up to 30 kHz (see "Technological Functions" manual)
controlled positioning	No
integrated function blocks (closed-loop control)	Yes; PID controller (see "Technological Functions" manual)
PID controller	Yes
Number of pulse outputs	3; Pulse width modulation up to 2.5 kHz (see "Technological Functions" Manual)
Limit frequency (pulse)	2.5 kHz
Emilia moducinos (haise)	2.5 KHZ
Potential separation	E.O M IE
	E.O MIE
Potential separation	
Potential separation Potential separation digital inputs	Yes No
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels	Yes
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus	Yes No
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs	Yes No
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs	Yes No Yes
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels	Yes No Yes Yes Yes
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels, in groups of	Yes No Yes Yes Yes 8
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus	Yes No Yes Yes Yes
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation	Yes No Yes Yes Yes Yes Yes Yes Yes
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation	Yes No Yes Yes Yes 8
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation tested with Ambient conditions	Yes No Yes Yes Yes Yes Yes Yes Yes
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation	Yes No Yes Yes Yes Yes Yes 8 Yes 600 V DC
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation tested with Ambient conditions	Yes No Yes Yes Yes Yes Yes 8 Yes 600 V DC
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation tested with Ambient conditions Ambient temperature during operation	Yes No Yes Yes Yes Yes Yes 8 Yes 600 V DC
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min.	Yes No Yes Yes Yes Yes Yes 8 Yes 600 V DC
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max.	Yes No Yes Yes Yes Yes Yes 8 Yes 600 V DC
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header	Yes No Yes Yes Yes Yes Yes 8 Yes 600 V DC
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software	Yes No Yes Yes Yes Yes 8 Yes 600 V DC 0 °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software • STEP 7 • STEP 7 Lite	Yes No Yes Yes Yes Yes 8 Yes 600 V DC O °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software • STEP 7	Yes No Yes Yes Yes Yes 8 Yes 600 V DC O °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software • STEP 7 • STEP 7 Lite configuration / programming / header • Command set	Yes No Yes Yes Yes 8 Yes 600 V DC 0 °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software • STEP 7 • STEP 7 Lite configuration / programming / header • Command set • Nesting levels	Yes No Yes Yes Yes 8 Yes 600 V DC 0 °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No see instruction list 8
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software • STEP 7 • STEP 7 Lite configuration / programming / header • Command set • Nesting levels • System functions (SFC)	Yes No Yes Yes Yes Yes 8 Yes 600 V DC O °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No see instruction list 8 see instruction list
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software • STEP 7 • STEP 7 Lite configuration / programming / header • Command set • Nesting levels • System functions (SFC) • System function blocks (SFB)	Yes No Yes Yes Yes 8 Yes 600 V DC 0 °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No see instruction list 8
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels • between the channels and backplane bus Potential separation digital outputs • Potential separation digital outputs • between the channels • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. configuration / header Configuration software • STEP 7 • STEP 7 Lite configuration / programming / header • Command set • Nesting levels • System functions (SFC)	Yes No Yes Yes Yes Yes 8 Yes 600 V DC O °C 60 °C Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No see instruction list 8 see instruction list

— FBD	Yes
— STL	Yes
— SCL	Yes
— CFC	Yes
— GRAPH	Yes
— HiGraph®	Yes
Know-how protection	
User program protection/password protection	Yes
 Block encryption 	Yes; With S7 block Privacy
Block encryption Dimensions	Yes; With S7 block Privacy
	Yes; With S7 block Privacy 80 mm
Dimensions	
Dimensions Width	80 mm
Dimensions Width Height	80 mm 125 mm
Dimensions Width	80 mm

last modified: 8/24/2021 **C**