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 DC	Yes
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
— Reverse polarity protection	140
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	400 11 1
• integrated	128 kbyte
• expandable	No
 Size of retentive memory for retentive data blocks 	64 kbyte
Load memory	
• Plug-in (MMC)	Yes
• Plug-in (MMC), max.	8 Mbyte
 Data management on MMC (after last programming), min. 	10 y
Backup	
• present	Yes; Guaranteed by MMC (maintenance-free)
without battery	Yes; Program and data
CDII processing times	
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.	0.2 μs 0.72 μs
ior noating point antimietic, typ.	υ. τ 2 μο
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
ОВ	
Description	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 	3; OB 55, 56, 57
 Number of startup OBs 	1; OB 100
 Number of asynchronous error OBs 	5; OB 80, 82, 85, 86, 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
— lower limit	0
— upper limit	255

Counters, limers and their retentivity	
S7 counter	
Number	256
Retentivity	
— 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	
— 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 in total	All, max. 64 KB
Flag	
• Number, max.	256 byte
Retentivity available	Yes; MB 0 to MB 255
Retentivity preset	MB 0 to MB 15
 Number of clock memories 	8; 1 memory byte
Data blocks	
Retentivity adjustable	Yes; via non-retain property on DB
Retentivity preset	Yes
Local data	
• per priority class, max.	32 kbyte; Max. 2048 bytes per block
Address area	
I/O address area	
• Inputs	2 048 byte
Outputs	2 048 byte
of which distributed	
— Inputs	2 030 byte
— Outputs	2 030 byte
Process image	
• Inputs	2 048 byte
Outputs	2 048 byte
Inputs, 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	
• Inputs	16 256
— of which central	1 008
Outputs	16 256

— of which central	1 008
Analog channels	
• Inputs	1 015
— of which central	248
Outputs	1 015
— of which central	248
Hardware configuration Number of expansion units, max.	3
Number of DP masters	
• integrated	1
• via CP	4
Number of operable FMs and CPs (recommended)	
• FM	8
• CP, PtP	8
• CP, LAN	6
Rack	
• Racks, max.	4
Modules per rack, max.	8; In rack 3 max. 7
• Modules per rack, max.	o, in rack o max.
Time of 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 	Clock continues to run with the time at which the power failure
period	occurred
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	12
functions	
integrated channels (DI)	16
Input characteristic curve in accordance with IEC	Yes
61131, 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 +30V
Input current	10.10 00.1
• for signal "1", typ.	8 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	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.)
— Rated value	3 ms
for technological functions	
— at "0" to "1", max.	16 μs; Minimum pulse width/minimum pause between pulses at 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
Response threshold, typ.	1 A
Limitation of inductive shutdown voltage to	L+ (-48 V)

Controlling a digital input	Yes
Switching capacity of the outputs	
● on lamp load, max.	5 W
Load resistance range	
• 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	1.5 mA	
sensor), 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	
Physics	RS 485	
Isolated	No	
Power supply to interface (15 to 30 V DC), max.	200 mA	
Protocols		
• MPI	Yes	
 PROFIBUS DP master 	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	
Physics	RS 485	
Isolated	Yes	
Power supply to interface (15 to 30 V DC), max.	200 mA	
Protocols		
• MPI	No	
 PROFINET IO Controller 	No	
PROFINET IO Device	No	
• PROFINET CBA	No	
PROFIBUS DP master	Yes	
PROFIBUS DP slave	Yes	

PROFIBUS DP master

• 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.	12 Mbit/s
automatic baud rate search	Yes; only with passive interface
 Address area, max. 	32
 User data per address area, max. 	32 byte
Services	
— PG/OP communication	Yes
— Routing	Yes; Only with active interface
 Global data communication 	No
— S7 basic communication	No
— 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 communication) 	Yes
— DPV1	No

Transfer memory	
— Inputs	244 byte
— Outputs	244 byte
Communication functions	
Communication functions 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 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 kbyte; 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	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, 	0
min.	

— adjustable for S7 basic communication,	4
max.	A: may
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	
Status indicator digital input (green)	Yes
Status indicator digital output (green)	Yes
Integrated Functions	
Number of counters	3; See "Technological Functions" manual
Counting frequency (counter) max.	30 kHz
Frequency measurement	Yes
Number of frequency meters	3; up to 30 kHz (see "Technological Functions" manual)

integrated function blocks (closed-loop control) PID controller Yes Number of pulse outputs Si Pulse width modulation up to 2.5 kHz (see "Technological Functions" Manual) Limit frequency (pulse) 2.5 kHz Potential separation Potential separation digital inputs Potential separation digital inputs Potential separation digital outputs Potential	controlled positioning	No
Number of pulse outputs 3, Pulse width modulation up to 2.5 kHz (see "Technological Functions" Manual) Limit frequency (pulse) Potential separation Potential separation digital inputs • Potential separation digital inputs • Potential separation digital inputs • between the channels and backplane bus Potential separation digital outputs • Potential separat	integrated function blocks (closed-loop control)	Yes; PID controller (see "Technological Functions" manual)
Limit frequency (pulse) 2.5 kHz Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels and backplane bus • Potential separation digital outputs • between the channels and backplane bus • Potential separation digital outputs • between the channels in groups of 8 • between the channels and backplane bus • between the channels and backplane bus Isolation	PID controller	Yes
Potential separation Potential separation digital inputs • Potential separation digital inputs • between the channels No • between the channels and backplane bus Potential separation digital outputs • between the channels Yes • between the channels in groups of 8 • between the channels, in groups of 8 • between the channels and backplane bus Solation Solation Solation • min. 0 °C • max. 60 °C Configuration Configuration Configuration Configuration • STEP 7 Lite Programming • Command set • Nesting levels • System function blocks (SFB) Programming language — LAD — FBD — FBD — FBD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Yes	Number of pulse outputs	
Potential separation digital inputs Potential separation digital inputs Potential separation digital inputs Potential separation digital inputs Potential separation digital outputs Potential separation digital inputs Potential separation digital outputs Potential separation digital inputs Potential separation digital outputs Potential separation digital cutputs Potential	Limit frequency (pulse)	2.5 kHz
Potential separation digital inputs between the channels between the channels between the channels yes between the channels and backplane bus Potential separation digital outputs Potential separation digital outputs between the channels between the channels between the channels between the channels in groups of between the channels and backplane bus between the channels and backplane bus Yes	Potential separation	
between the channels between the channels and backplane bus Potential separation digital outputs Potential separation digital outputs Potential separation digital outputs between the channels between the channels, in groups of between the channels, in groups of between the channels and backplane bus Ves	Potential separation digital inputs	
between the channels and backplane bus Potential separation digital outputs Potential separation digital outputs Potential separation digital outputs Potential separation digital outputs Petween the channels Petween the channels Petween the channels and backplane bus Petween the channels and backplane bus Potential separation Potential separation digital outputs Petween the channels and backplane bus Petween the channels and	Potential separation digital inputs	Yes
Potential separation digital outputs Potential separation digital outputs Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Potential separation digital outputs between the channels, in groups of between the channels and backplane bus Potential separation Foreign	between the channels	No
Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus between the channels and backplane bus Yes	• between the channels and backplane bus	Yes
between the channels between the channels, in groups of between the channels, in groups of between the channels and backplane bus Ves Isolation	Potential separation digital outputs	
between the channels, in groups of between the channels and backplane bus Solation	Potential separation digital outputs	Yes
between the channels and backplane bus Isolation	• between the channels	Yes
Isolation Isolation tested with 600 V DC	 between the channels, in groups of 	8
Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. 60 °C Configuration Configuration software • STEP 7 STEP 7 STEP 7 Lite No Programming • Command set • Nesting levels • System function s(SFC) • System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Yes 0 °C 60 °C Yec 60 °C Yec 60 °C Yes STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Programming • Command set • Nesting levels • See instruction list 9 System function blocks (SFB) See instruction list Yes - STL - SCL - Yes - SCL - CFC - GRAPH - HiGraph®	• between the channels and backplane bus	Yes
Isolation tested with Ambient conditions Ambient temperature during operation • min. • max. 60 °C Configuration Configuration software • STEP 7 STEP 7 STEP 7 Lite No Programming • Command set • Nesting levels • System function s(SFC) • System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Yes 0 °C 60 °C Yes 60 °C Yes Command set Step 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes e instruction list Yes - SYSTEM - SYST	Isolation	
Ambient temperature during operation • min. • max. 60 °C Configuration Configuration software • STEP 7 • STEP 7 • STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 • STEP 7 Lite Programming • Command set • Nesting levels • System functions (SFC) • System function blocks (SFB) Programming language — LAD — FBD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Yes		600 V DC
Ambient temperature during operation • min. • max. 60 °C Configuration Configuration software • STEP 7 • STEP 7 • STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 • STEP 7 Lite Programming • Command set • Nesting levels • System functions (SFC) • System function blocks (SFB) Programming language — LAD — FBD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Yes	Ambient conditions	
 max. 60 °C Configuration Configuration software STEP 7 Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 STEP 7 Lite No Programming Command set Nesting levels System functions (SFC) see instruction list System function blocks (SFB) see instruction list Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® Yes 		0 °C
Configuration Configuration software STEP 7 Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 STEP 7 Lite No Programming Command set See instruction list Nesting levels System functions (SFC) See instruction list System function blocks (SFB) Programming language LAD FBD Yes STL SCL SCL Yes CFC GRAPH HiGraph® Yes		
Configuration software	THEX.	
STEP 7 STEP 7 Lite No Programming Command set Nesting levels System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — SCL — GRAPH — HiGraph® Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with HSP 203 No Yes instruction list See instruction list see instruction list Yes instruction list		
higher with HSP 203 No Programming Command set See instruction list Nesting levels System functions (SFC) System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — SCL — CFC — GRAPH — HiGraph® No see instruction list see instruction list Yes Yes Yes Yes Yes Yes Yes Y		
Programming	• STEP 7	The state of the s
 Command set Nesting levels System functions (SFC) System function blocks (SFB) See instruction list System function blocks (SFB) see instruction list Programming language LAD FBD Yes STL Yes SCL Yes CFC GRAPH HiGraph® see instruction list Yes 	• STEP 7 Lite	No
 Nesting levels System functions (SFC) System function blocks (SFB) See instruction list Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® 8 8 8 see instruction list Yes 	Programming	
 System functions (SFC) System function blocks (SFB) Programming language — LAD — FBD — STL — SCL — CFC — GRAPH — HiGraph® see instruction list yes Yes — LaD Yes — Yes — Yes — Yes — HiGraph® Yes 	Command set	see instruction list
● System function blocks (SFB) Programming language — LAD — FBD — FBD — STL — SCL — CFC — GRAPH — HiGraph® see instruction list Yes Yes Yes Yes Yes Yes Yes Y	Nesting levels	8
Programming language — LAD Yes — FBD Yes — STL Yes — SCL Yes — CFC Yes — GRAPH Yes — HiGraph® Yes	System functions (SFC)	see instruction list
— LAD Yes — FBD Yes — STL Yes — SCL Yes — CFC Yes — GRAPH Yes — HiGraph® Yes	 System function blocks (SFB) 	see instruction list
— FBD Yes — STL Yes — SCL Yes — CFC Yes — GRAPH Yes — HiGraph® Yes	Programming language	
— STL Yes — SCL Yes — CFC Yes — GRAPH Yes — HiGraph® Yes	— LAD	Yes
— SCL Yes — CFC Yes — GRAPH Yes — HiGraph® Yes	— FBD	Yes
— CFC Yes — GRAPH Yes — HiGraph® Yes	— STL	Yes
— GRAPH— HiGraph®YesYes	— SCL	Yes
— HiGraph® Yes	— CFC	Yes
— HiGraph® Yes	— GRAPH	Yes
		Yes

• User program protection/password protection

Yes

• Block encryption

Yes; With S7 block Privacy

Dimensions	
Width	80 mm
Height	125 mm
Depth	130 mm

Weights

Weight, approx. 500 g

last modified: 12/08/2018