SIEMENS

Data sheet

6ES7215-1BG40-0XB0





SIMATIC S7-1200, CPU 1215C, compact CPU, AC/DC/relay, 2 PROFINET ports, onboard I/O: 14 DI 24 V DC; 10 DO relay 2 A, 2 AI 0-10 V DC, 2 AO 0-20 mA DC, power supply: AC 85-264 V AC at 47-63 Hz, program/data memory 200 KB



Product type designation CPU 1215C AC/DC/relay Firmware version V4.6 Engineering with Programming package STEP 7 V18 or higher Supply voltage Rated value (AC) 120 V AC 230 V AC Pes permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, upper limit (AC) permissible range, upper limit (BC) permissibl	General information	
Engineering with Programming package STEP 7 V18 or higher Stupply voltage Rated value (AC) 120 V AC 230 V AC Pes permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, lower limit 47 Hz permissible range, upper limit 63 Hz Input current Current consumption (rated value) Current consumption (rated value) Current consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Pt 0.8 A² s Output current for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply 24 V 20.4 to 28.8V Power loss Power loss, typ. 14 W Memory Work memory integrated 200 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup present Pesent Pese without battery Yes	Product type designation	CPU 1215C AC/DC/relay
Programming package Supply voltage Rated value (AC)	Firmware version	V4.6
Rated value (AC) • 120 V AC	Engineering with	
Rated value (AC)	 Programming package 	STEP 7 V18 or higher
• 120 V AC • 230 V AC • 230 V AC • 230 V AC Permissible range, lower limit (AC) permissible range, upper limit (AC) • permissibl	Supply voltage	
• 230 V AC Yes permissible range, lower limit (AC) 85 V permissible range, upper limit (AC) 265 V Line frequency • permissible range, lower limit 47 Hz • permissible range, upper limit 63 Hz Input current Current consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Pt 0.8 A²-s Output current 67 backplane bus (5 V DC), max. Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss Power loss, typ. 14 W Memory • integrated 20 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present Yes • without battery Yes	Rated value (AC)	
permissible range, lower limit (AC)	• 120 V AC	Yes
permissible range, upper limit (AC) 265 V Line frequency • permissible range, lower limit 47 Hz • permissible range, upper limit 63 Hz Input current Current consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Pt 0.8 A²-s Output current for backplane bus (5 V DC), max. 1600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss, typ. 14 W Memory Work memory • integrated 200 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present Yes • without battery Yes	• 230 V AC	Yes
Line frequency • permissible range, lower limit • permissible range, upper limit 63 Hz Input current Current consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Pt 0.8 A²-s Output current for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 14 W Memory Work memory • integrated Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • present • maintenance-free • without battery Yes	permissible range, lower limit (AC)	85 V
permissible range, lower limit permissible range, upper limit permissible range, upper limit 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 100 mA at 120 V AC; 150 mA at 240 V AC Irrush current, max. 20 A; at 264 V Irt 0.8 A²-s Output current for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply 24 V encoder supply 24 V encoder supply 24 V encoder supply Ver loss Power loss, typ. 14 W Memory Work memory integrated 200 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card present p	permissible range, upper limit (AC)	265 V
permissible range, upper limit Current consumption (rated value) Current consumption, max. 300 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Pit 0.8 A²-s Cutput current for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply 24 V encoder supply 24 V encoder supply Power loss Power loss, typ. Memory Work memory integrated 200 kbyte Load memory integrated Plug-in (SIMATIC Memory Card), max. Backup present present yes without battery Yes without battery Yes	Line frequency	
Input current Current consumption (rated value) Current consumption, max. 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 100 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 100 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 100 mA; 120 V AC; 150 mA at 240 V AC Inrush current for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply 24 V encoder supply 24 V encoder supply 14 W Memory Work memory integrated 200 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. Backup present present Yes maintenance-free Yes without battery Yes	 permissible range, lower limit 	47 Hz
Current consumption (rated value) Current consumption, max. 300 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Ift 0.8 A²-s Output current for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 14 W Memory Work memory • integrated 200 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present Yes • maintenance-free Yes • without battery Yes	permissible range, upper limit	63 Hz
Current consumption, max. Inrush current, max. 20 A; at 264 V It 0.8 A²-s Output current for backplane bus (5 V DC), max. Incoder supply 24 V encoder supply 24 V encoder supply 24 V encoder supply 20.4 to 28.8V Power loss Power loss, typ. It W Memory Work memory integrated 200 kbyte Load memory integrated Plug-in (SIMATIC Memory Card), max. With SIMATIC memory card Backup present present yes without battery Yes without battery Yes	Input current	
Inrush current, max. 20 A; at 264 V Pt 0.8 A²-s Output current	Current consumption (rated value)	100 mA at 120 V AC; 50 mA at 240 V AC
Pt	Current consumption, max.	300 mA at 120 V AC; 150 mA at 240 V AC
Output current for backplane bus (5 V DC), max. Incoder supply 24 V encoder supply • 24 V Power loss Power loss, typ. 14 W Memory Work memory • integrated • Plug-in (SIMATIC Memory Card), max. Backup • present • present • maintenance-free • without battery 1 600 mA; Max. 5 V DC for SM and CM 20.4 to 28.8V 20.4 to 28	Inrush current, max.	20 A; at 264 V
for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 14 W Memory Work memory • integrated Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • maintenance-free • without battery Yes	l²t	0.8 A ² ·s
Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 14 W Memory Work memory • integrated 200 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present Yes • maintenance-free Yes • without battery Yes	Output current	
24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 14 W Memory Work memory • integrated Load memory • integrated • Plug-in (SIMATIC Memory Card), max. Backup • present • maintenance-free • without battery 20.4 to 28.8V 20.4 to 28.8V	for backplane bus (5 V DC), max.	1 600 mA; Max. 5 V DC for SM and CM
24 V 20.4 to 28.8V Power loss Power loss, typ. 14 W Memory Work memory integrated 200 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup present Yes maintenance-free Yes without battery Yes	Encoder supply	
Power loss Power loss, typ. 14 W Memory Work memory • integrated 200 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present • maintenance-free • without battery Yes	24 V encoder supply	
Power loss, typ. Memory Work memory integrated 200 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup present Yes maintenance-free Yes without battery Yes	• 24 V	20.4 to 28.8V
Memory Work memory integrated 200 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup present Yes maintenance-free Yes without battery Yes	Power loss	
Work memory	Power loss, typ.	14 W
 integrated Load memory integrated Plug-in (SIMATIC Memory Card), max. Backup present maintenance-free without battery 200 kbyte 4 Mbyte with SIMATIC memory card Yes Yes without battery 	Memory	
Load memory	Work memory	
Load memory	• integrated	200 kbyte
 Plug-in (SIMATIC Memory Card), max. Backup present maintenance-free with SIMATIC memory card Yes without battery 		
Backup	• integrated	4 Mbyte
 present maintenance-free without battery Yes Yes Yes 	 Plug-in (SIMATIC Memory Card), max. 	with SIMATIC memory card
 maintenance-free without battery Yes 	Backup	
without battery Yes	• present	Yes
·	 maintenance-free 	Yes
CPU processing times	without battery	Yes
	CPU processing times	

for bit operations, typ.	0.08 μs; / instruction
for word operations, typ.	1.7 µs; / instruction
for floating point arithmetic, typ. CPU-blocks	2.3 μs; / instruction
Number of blocks (total)	DBs, FCs, FBs, counters and timers. The maximum number of addressable blocks ranges from 1 to 65535. There is no restriction, the entire working memory can be used
OB	
Number, max.	Limited only by RAM for code
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	14 kbyte
Flag	
• Size, max.	8 kbyte; Size of bit memory address area
Local data	
 per priority class, max. 	16 kbyte; Priority class 1 (program cycle): 16 KB, priority class 2 to 26: 6 KB
Address area	
Process image	
Inputs, adjustable	1 kbyte
Outputs, adjustable	1 kbyte
Hardware configuration	
Number of modules per system, max.	3 comm. modules, 1 signal board, 8 signal modules
Time of day	
Clock	
Hardware clock (real-time)	Yes
Backup time	480 h; Typical
Deviation per day, max.	±60 s/month at 25 °C
Digital inputs	255 5.1161.11.11.12.12
Number of digital inputs	14; Integrated
of which inputs usable for technological functions	6; HSC (High Speed Counting)
Source/sink input	Yes
Number of simultaneously controllable inputs	100
all mounting positions	
— up to 40 °C, max.	14
Input voltage	17
Rated value (DC)	24 V
• for signal "0"	5 V DC at 1 mA
• for signal "1"	15 V DC at 2.5 mA
Input delay (for rated value of input voltage)	13 V DG at 2.3 IIIA
for standard inputs	
— parameterizable	Yes; 0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in
— рагалістендаріс	groups of four
— at "0" to "1", min.	0.2 ms
— at "0" to "1", max.	12.8 ms
for interrupt inputs	
— parameterizable	Yes
for technological functions	
— parameterizable	Single phase: 3 @ 100 kHz & 3 @ 30 kHz, differential: 3 @ 80 kHz & 3 @ 30
	kHz
Cable length	
• shielded, max.	500 m; 50 m for technological functions
unshielded, max.	300 m; for technological functions: No
Digital outputs	
Number of digital outputs	10; Relays
Switching capacity of the outputs	
 with resistive load, max. 	2 A
• on lamp load, max.	30 W with DC, 200 W with AC
Output delay with resistive load	
• "0" to "1", max.	10 ms; max.
• "1" to "0", max.	10 ms; max.
• "1" to "0", max. Relay outputs	10 ms; max.

Number of operating cycles, max. Cable length shielded, max. unshielded, max. Analog inputs Number of analog inputs Input ranges Voltage Input ranges (rated values), voltages o to +10 V Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	mechanically 10 million, at rated load voltage 100 000 500 m 150 m 2 Yes Yes ≥100k ohms
shielded, max. unshielded, max. Analog inputs Number of analog inputs Input ranges Voltage Input ranges (rated values), voltages 0 to +10 V — Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	150 m 2 Yes Yes
unshielded, max. Analog inputs Number of analog inputs Input ranges Voltage Input ranges (rated values), voltages 0 to +10 V Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	150 m 2 Yes Yes
Analog inputs Number of analog inputs Input ranges Voltage Input ranges (rated values), voltages 0 to +10 V Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	2 Yes Yes
Number of analog inputs Input ranges Voltage Input ranges (rated values), voltages o to +10 V Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	Yes
Input ranges Voltage Input ranges (rated values), voltages 0 to +10 V Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	Yes
Voltage Input ranges (rated values), voltages 0 to +10 V Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	Yes
Input ranges (rated values), voltages • 0 to +10 V — Input resistance (0 to 10 V) Cable length • shielded, max. Analog outputs	Yes
0 to +10 V — Input resistance (0 to 10 V) Cable length shielded, max. Analog outputs	
— Input resistance (0 to 10 V) Cable length ● shielded, max. Analog outputs	
Cable length ● shielded, max. Analog outputs	≥100k ohms
shielded, max. Analog outputs	
Analog outputs	400
	100 m; twisted and shielded
Number of analog outputs	2
Output ranges, current	· ·
• 0 to 20 mA	Yes
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	40.17
Resolution with overrange (bit including sign), max.	10 bit
Integration time, parameterizable	Yes
Conversion time (per channel)	625 µs
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
• RJ 45 (Ethernet)	Yes
 Number of ports 	2
integrated switch	Yes
Protocols	
PROFINET IO Controller	Yes
PROFINET IO Device	Yes
SIMATIC communication	Yes
Open IE communication	Yes; Optionally also encrypted
Web server	Yes
Media redundancy	Yes
PROFINET IO Controller	
Transmission rate, max.	100 Mbit/s
Services	
— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected
— Isochronous mode	No
— IRT	No
— PROFlenergy	No
— Prioritized startup	Yes
Number of IO devices with prioritized startup, max.	16
Number of connectable IO Devices, max.	16
Number of connectable IO Devices for RT, max.	16
— of which in line, max.	16
Activation/deactivation of IO Devices	Yes
 Number of IO Devices that can be simultaneously activated/deactivated, max. 	8
— Updating time	The minimum value of the update time also depends on the communication component set for PROFINET IO, on the number of IO devices and the quantity of configured user data.
PROFINET IO Device	

Services	
— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected
— Isochronous mode	No
— IRT	No
— PROFlenergy	Yes
— Shared device	Yes
 Number of IO Controllers with shared device, max. 	2
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
PROFIBUS	Yes; CM 1243-5 (master) or CM 1242-5 (slave) required
OPC UA	Yes; OPC UA Server
AS-Interface	Yes; CM 1243-2 required
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	No
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes; as MRP redundancy manager and/or MRP client
Open IE communication	105, as with recumulating manager and/or with fullent
TCP/IP	Yes
— Data length, max.	8 kbyte
• ISO-on-TCP (RFC1006)	Yes
— Data length, max.	8 kbyte
• UDP	Yes
— Data length, max.	1 472 byte
Web server	
supported	Yes
User-defined websites	Yes
OPC UA	
Runtime license required	Yes; "Basic" license required
OPC UA Server	Yes; data access (read, write, subscribe), method call, runtime license required
Application authentication	Available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Sha256
 User authentication 	"anonymous" or by user name & password
 Number of sessions, max. 	10
 Number of subscriptions per session, max. 	5
 — Sampling interval, min. 	100 ms
— Publishing interval, min.	200 ms
 Number of server methods, max. 	20
 Number of monitored items, recommended max. 	1 000
Number of server interfaces, max.	2
 Number of nodes for user-defined server interfaces, 	2 000
max.	
Further protocols	
MODBUS	Yes
communication functions / header	
S7 communication	
• supported	Yes
• as server	Yes
• as client	Yes
User data per job, max.	See online help (S7 communication, user data size)
Number of connections	555 Stanto noily (57 Sommanication, addit data size)
	PG Connections: A received / 4 may: UMI Connections: 42 received / 42 may:
• overall	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max
Test commissioning functions	
Status/control	

- Status/gentral variable	Von
Status/control variable Variables	Yes
	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Forcing	Yes
Forcing Diagnostic buffer	165
• present	Yes
Traces	165
Number of configurable Traces	2
Memory size per trace, max.	512 kbyte
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• RUN/STOP LED	Yes
• ERROR LED	Yes
MAINT LED	Yes
Integrated Functions	
Counter	
 Number of counters 	6
Counting frequency, max.	100 kHz
Frequency measurement	Yes
controlled positioning	Yes
Number of position-controlled positioning axes, max.	8
Number of positioning axes via pulse-direction interface	Up to 4 with SB 1222
PID controller	Yes
Number of alarm inputs	4
Potential separation	
Potential separation digital inputs	
Potential separation digital inputs	500 V AC for 1 minute
between the channels, in groups of Petential apparation digital outputs	1
Potential separation digital outputs • Potential separation digital outputs	Polovo
between the channels	Relays No
between the channels, in groups of	2
EMC	
Interference immunity against discharge of static electricity	
Interference immunity against discharge of static	Yes
electricity acc. to IEC 61000-4-2	
 Test voltage at air discharge 	8 kV
Test voltage at contact discharge	6 kV
Interference immunity to cable-borne interference	
 Interference immunity on supply lines acc. to IEC 61000- 4-4 	Yes
 Interference immunity on signal cables acc. to IEC 61000- 	Yes
4-4	
Interference immunity against voltage surge	
Interference immunity on supply lines acc. to IEC 61000-	Yes
4-5	lead by high frequency fields
Interference immunity against conducted variable disturbance indu	Yes
 Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 	165
Emission of radio interference acc. to EN 55 011	
• Limit class A, for use in industrial areas	Yes; Group 1
 Limit class B, for use in residential areas 	Yes; When appropriate measures are used to ensure compliance with the limits
D	for Class B according to EN 55011
Degree and class of protection	IDOA
IP degree of protection	IP20
Standards, approvals, certificates	0: 5.7.1
Siemens Eco Profile (SEP)	Siemens EcoTech
CE mark	Yes
UL approval	Yes
cULus EM approval	Yes Yes
FM approval RCM (formerly C-TICK)	Yes
Now (lotticity o-flory)	160

KC approval	Yes
KC approval Marine approval	Yes
Ecological footprint	
environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	106 kg
— global warming potential, (during production) [CO2	18.5 kg
eq]	.00 .9
 global warming potential, (during operation) [CO2 	88.2 kg
eq]	
 global warming potential, (after end of life cycle) [CO2 eq] 	-1.12 kg
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	
• min.	-20 °C
• max.	60 °C; Number of simultaneously activated inputs or outputs 7 or 5 (no adjacent
	points) at 60 °C horizontal or 50 °C vertical, 14 or 10 at 55 °C horizontal or 45 °C vertical
horizontal installation, min.	-20 °C
horizontal installation, min. horizontal installation, max.	-20 °C
vertical installation, min.	-20 °C
vertical installation, min. vertical installation, max.	50 °C
Ambient temperature during storage/transportation	
min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	
Operation, min.	795 hPa
Operation, max.	1 080 hPa
Storage/transport, min.	660 hPa
Storage/transport, max.	1 080 hPa
Altitude during operation relating to sea level	
Installation altitude, min.	-1 000 m
 Installation altitude, max. 	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Relative humidity	
Operation, max.	95 %; no condensation
Vibrations	
 Vibration resistance during operation acc. to IEC 60068- 	2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail
2-6	V
Operation, tested according to IEC 60068-2-6 Shock testing	Yes
tested according to IEC 60068-2-27	Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value),
- tosted according to IEO 00000-2-27	duration 11 ms
Pollutant concentrations	
 SO2 at RH < 60% without condensation 	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
configuration / header	
configuration / programming / header	
Programming language	
— LAD	Yes
— FBD	Yes
— SCL	Yes
Know-how protection	
 User program protection/password protection 	Yes
Copy protection	Yes
Block protection	Yes
Access protection	
 protection of confidential configuration data 	Yes
Protection level: Write protection	Yes
Protection level: Read/write protection	Yes
Protection level: Complete protection	Yes
programming / guala time manitaring / bander	
programming / cycle time monitoring / header • adjustable	Yes

Dimensions	
Width	130 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	550 g

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