## **SIEMENS**

## **Data sheet**

6ES7215-1AF40-0XB0

SIMATIC S7-1200F, CPU 1215 FC, compact CPU, DC/DC/DC, 2 PROFINET ports, onboard I/O: 14 DI 24 V DC; 10 DO 24 V DC; 0.5A; 2 AI 0-10 V DC, 2 AO 0-20 mA DC, Power supply: DC 20.4-28.8V DC, Program/data memory 150 KB



General information	
Product type designation	CPU 1215FC DC/DC/DC
Firmware version	V4.6
Engineering with	
<ul> <li>Programming package</li> </ul>	STEP 7 V18 or higher
Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Load voltage L+	
<ul> <li>Rated value (DC)</li> </ul>	24 V
<ul> <li>permissible range, lower limit (DC)</li> </ul>	20.4 V
<ul> <li>permissible range, upper limit (DC)</li> </ul>	28.8 V
Input current	
Current consumption (rated value)	500 mA; CPU only
Current consumption, max.	1 500 mA; CPU with all expansion modules
Inrush current, max.	12 A; at 28.8 V DC
l²t	0.5 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	L+ minus 4 V DC min.
Power loss	
Power loss, typ.	12 W
Memory	
Work memory	
• integrated	250 kbyte
Load memory	
• integrated	4 Mbyte
<ul> <li>Plug-in (SIMATIC Memory Card), max.</li> </ul>	with SIMATIC memory card
Backup	
• present	Yes
<ul> <li>maintenance-free</li> </ul>	Yes
<ul><li>without battery</li></ul>	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.	2.3 μs; / instruction
CPU-blocks	
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
ОВ	
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	
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	
all mounting positions	
— up to 40 °C, max.	14
Input voltage	
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)	
for standard inputs	
— parameterizable	0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in
·	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
Cable length	kHz
	500 m; 50 m for technological functions
shielded, max.      unshielded, max.	500 m; 50 m for technological functions
unshielded, max.  Digital outputs	300 m; for technological functions: No
Digital outputs	10
Number of digital outputs	10
of which high-speed outputs  Limitation of industries abut days yellogs to	4; 100 kHz Pulse Train Output
Limitation of inductive shutdown voltage to	L+ (-48 V)
Switching capacity of the outputs	0.5.0
with resistive load, max.      an lamp load, max.	0.5 A
on lamp load, max.  Output valtage	5 W
Output voltage	0.4 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
• for signal "0", max.	0.1 V; with 10 kOhm load
• for signal "1", min.	20 V
Output current	
<ul><li>for signal "1" rated value</li></ul>	0.5 A

for signal "0" residual current, max.	0.1 mA
Output delay with resistive load	
• "0" to "1", max.	1 μs
• "1" to "0", max.	5 μs
Switching frequency	
of the pulse outputs, with resistive load, max.	100 kHz
Relay outputs	
Number of relay outputs	0
Cable length	
<ul><li>shielded, max.</li></ul>	500 m
<ul><li>unshielded, max.</li></ul>	150 m
Analog inputs	
Number of analog inputs	2
Input ranges	
<ul> <li>Voltage</li> </ul>	Yes
Input ranges (rated values), voltages	
• 0 to +10 V	Yes
— Input resistance (0 to 10 V)	≥100k ohms
Cable length	
• shielded, max.	100 m; twisted and shielded
Analog outputs	
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	
Resolution with overrange (bit including sign), max.	10 bit
Integration time, parameterizable	Yes
Conversion time (per channel)	625 µs
	020 μ0
Analog value generation for the outputs	
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	10 bit
Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max.	10 bit
Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max.  Encoder	10 bit
Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders	
Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  • 2-wire sensor	10 bit Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  1. Interface	Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type	Yes PROFINET
Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  • 2-wire sensor  1. Interface Interface type Isolated	Yes PROFINET Yes
Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  • 2-wire sensor  1. Interface Interface type Isolated automatic detection of transmission rate	Yes PROFINET Yes Yes
Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  • 2-wire sensor  1. Interface Interface type Isolated automatic detection of transmission rate Autonegotiation	Yes  PROFINET  Yes  Yes  Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation Autocrossing	Yes PROFINET Yes Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate Autonegotiation  Autocrossing Interface types	Yes  PROFINET Yes Yes Yes Yes Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)	Yes  PROFINET Yes Yes Yes Yes Yes Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  1. Interface Interface type Isolated automatic detection of transmission rate Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports	Yes  PROFINET Yes Yes Yes Yes Yes 2
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch	Yes  PROFINET Yes Yes Yes Yes Yes Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols	Yes  PROFINET Yes Yes Yes Yes Yes Yes Yes Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller	Yes  PROFINET Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device	Yes  PROFINET Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication	Yes  PROFINET Yes Yes Yes Yes Yes Yes Yes Yes Yes 2 Yes Yes Yes Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication	Yes  PROFINET Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server	Yes  PROFINET Yes Yes Yes Yes Yes Yes Yes Yes 2 Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy	Yes  PROFINET Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server	Yes  PROFINET Yes Yes Yes Yes Yes Yes Yes Yes 2 Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy	Yes  PROFINET Yes Yes Yes Yes Yes Yes Yes Yes 2 Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy  PROFINET IO Controller	Yes  PROFINET  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy  PROFINET IO Controller  Transmission rate, max.	Yes  PROFINET  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy  PROFINET IO Controller  Transmission rate, max.  Services	Yes PROFINET Yes Yes Yes Yes Yes Yes  Yes  Yes  Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy  PROFINET IO Controller  Transmission rate, max.  Services  — PG/OP communication	Yes PROFINET Yes Yes Yes Yes Yes Yes Yes  Yes  Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  1. Interface Interface type Isolated automatic detection of transmission rate  Autonegotiation Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy  PROFINET IO Controller  Transmission rate, max.  Services  — PG/OP communication  — Isochronous mode	PROFINET Yes Yes Yes Yes Yes Yes  Yes  Yes  Yes
Integration and conversion time/resolution per channel  Resolution with overrange (bit including sign), max.  Encoder  Connectable encoders  2-wire sensor  1. Interface  Interface type Isolated automatic detection of transmission rate  Autonegotiation  Autocrossing Interface types  RJ 45 (Ethernet)  Number of ports  integrated switch  Protocols  PROFINET IO Controller  PROFINET IO Device  SIMATIC communication  Open IE communication  Web server  Media redundancy  PROFINET IO Controller  Transmission rate, max.  Services  — PG/OP communication  — Isochronous mode  — IRT	PROFINET Yes Yes Yes Yes Yes Yes  Yes  Yes  Yes

<ul> <li>Number of IO devices with prioritized startup, max.</li> </ul>	16
<ul> <li>Number of connectable IO Devices, max.</li> </ul>	16
<ul> <li>Number of connectable IO Devices for RT, max.</li> </ul>	16
— of which in line, max.	16
<ul> <li>Activation/deactivation of IO Devices</li> </ul>	Yes
<ul> <li>Number of IO Devices that can be simultaneously activated/deactivated, max.</li> </ul>	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
PROFINET IO Device	of configured user data.
Services	Voca anamentian with TLC V/4 2 pro calcasted
— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected
— Isochronous mode	No
— IRT	No
— PROFlenergy	Yes
<ul> <li>Shared device</li> </ul>	Yes
Number of IO Controllers with shared device, max.	2
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIsafe	Yes
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
	Yes
• SNMP	
• DCP	Yes
• LLDP	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes; as MRP redundancy manager and/or MRP client
— MRPD	No
SIMATIC communication	
S7 routing	Yes
Open IE communication	
• 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	2 2,10
	Yes
supported     Hear defined websites	
User-defined websites	Yes
OPC UA	V 10 111
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
<ul><li>User authentication</li></ul>	"anonymous" or by user name & password
<ul><li>Number of sessions, max.</li></ul>	10
<ul> <li>Number of subscriptions per session, max.</li> </ul>	5
<ul><li>— Sampling interval, min.</li></ul>	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	See Offiline help (37 Confinitionication, user data size)
overall	PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max;
• Overall	7 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/control variable	Yes
• Variables	inputs/outputs, bit memories, DBs, peripheral I/Os (without fail-safe), times, counters
Forcing	
Forcing	Yes; peripheral inputs/outputs (without fail-safe)
Diagnostic buffer	
• present	Yes
Traces	
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 PID controller	4; With integrated outputs Yes
Number of pulse outputs	4
Number of pulse outputs	400 kHz
Limit frequency (pulse)	100 kHz
Potential separation	
Potential separation digital inputs	
Potential separation digital inputs	No
between the channels, in groups of	1
Potential separation digital outputs	
Potential separation digital outputs	Yes
<ul> <li>between the channels</li> </ul>	No
between the channels, in groups of	1
EMC	
Interference immunity against discharge of static electricity	
<ul> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2</li> </ul>	Yes
<ul> <li>Test voltage at air discharge</li> </ul>	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 61000-4-4	Yes
Interference immunity against voltage surge	
<ul> <li>Interference immunity on supply lines acc. to IEC 61000-</li> </ul>	

Interference immunity against conducted variable disturbance ind	duced by high-frequency fields
Interference immunity against high-frequency radiation acc. to IEC 61000-4-6	Yes
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 for Class B according to EN 55011
egree and class of protection	
IP degree of protection	IP20
standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Marine approval	Yes
Highest safety class achievable in safety mode	
Performance level according to ISO 13849-1	PLe
SIL acc. to IEC 61508	SIL 3
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	0.00
• min.	0 °C
• max.	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacer points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical
<ul> <li>horizontal installation, min.</li> </ul>	0 °C
<ul> <li>horizontal installation, max.</li> </ul>	55 °C
<ul> <li>vertical installation, min.</li> </ul>	0 °C
<ul> <li>vertical installation, max.</li> </ul>	45 °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
<ul> <li>Storage/transport, min.</li> </ul>	660 hPa
Storage/transport, max.	1 080 hPa
Altitude during operation relating to sea level	
<ul> <li>Installation altitude, min.</li> </ul>	-1 000 m
Installation altitude, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Relative humidity	
Operation, max.  Nihrations	95 %; no condensation
Vibrations  ■ Vibration resistance during operation acc. to IEC 60068-2-6	2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail
Operation, tested according to IEC 60068-2-6	Yes
Shock testing	
• tested according to IEC 60068-2-27	Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms
Pollutant concentrations	
SO2 at RH < 60% without condensation	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
onfiguration / header	
configuration / programming / header	
Programming language	
— LAD	Yes; incl. failsafe
— FBD	Yes; incl. failsafe
— SCL	Yes
Know-how protection	
User program protection/password protection	Yes

Copy protection	Yes
Block protection	Yes
Access protection	
<ul> <li>protection of confidential configuration data</li> </ul>	Yes
<ul> <li>Protection level: Write protection</li> </ul>	Yes
<ul> <li>Protection level: Read/write protection</li> </ul>	Yes
Protection level: Complete protection	Yes
programming / cycle time monitoring / header	
adjustable	Yes
Dimensions	
Width	130 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	500 g

last modified: 11/7/2023 🖸