## **SIEMENS**

## **Data sheet**

6ES7214-1HG40-0XB0



Figure similar

SIMATIC S7-1200, CPU 1214C, compact CPU, DC/DC/relay, onboard I/O: 14 DI 24 V DC; 10 DO relay 2 A; 2 AI 0-10 V DC, power supply: DC 20.4-28.8 V DC, program/data memory 150 KB

General information	
Product type designation	CPU 1214C DC/DC/relay
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
l²t	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	L+ minus 4 V DC min.
Power loss	
Power loss, typ.	12 W
Memory	
Work memory	
• integrated	150 kbyte
Load memory	
• integrated	4 Mbyte
Plug-in (SIMATIC Memory Card), max.	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	Σ.ο μο, / που ασσοτί
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	<b>, ,</b>
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	
<ul> <li>Hardware clock (real-time)</li> </ul>	Yes
Backup time	480 h; Typical
Deviation per day, max.	±60 s/month at 25 °C
Digital inputs	
Number of digital inputs	14; Integrated
<ul> <li>of which inputs usable for technological functions</li> </ul>	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	
<ul> <li>Rated value (DC)</li> </ul>	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 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.
Relay outputs	
	10
<ul> <li>Number of relay outputs</li> </ul>	10

Inhibited, max.     Inhibited, max.     Inhibited (max.     I	Cabla la pada	
* unableded, max.   150 m    Number of analog inputs   2    Innot ranges   10 to 10	Cable length	500
Analog injuris  Number of analog inputs  Ves  Voltage  Voltage  Voltage  Ves  Injust ranges  Ves  Injust ranges  Ves  Injust ranges (20 to 10 V)  Injust ranges  Ves  Injust ranges  Ves  Injust ranges (20 to 10 V)  Injust ranges  Ves  Injust ranges (20 to 10 V)  Injust range (20 to 10 V)  Ves  Injust range (20 to 10 V)  Ves  Injust range (20 to 10 V)  Injust ran		
Number of analog inputs   2		150 m
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Ves  input ranges (rated values), voltages  - 10 to 110 V  resistance (0 to 10 V)  cable length  - shelded, max  Analog outputs  Number of analog outputs  Number of analog outputs  - Recolution with overrange (bit including sign), max - integration time, parametersized - Conversion time (per channel) - Recolution with overrange (bit including sign), max - integration time, parametersized - Conversion time (per channel) - Recolution with overrange (bit including sign), max - integration time, parametersized - Conversion time, parametersized - Conversion time, parametersized - Recolution with overrange (bit including sign), max - integrated subjects - Conversion time, parametersized - Ves - Author-constance (ves - Author-constance) - Ves - Author-constance - Recolution of transmission rate - Ves - Author-constance - Recolution of transmission rate - Ves - Author-constance - Recolution of transmission rate - Reco		2
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Oto 1-10 V	· · · · · · · · · · · · · · · · · · ·	Yes
- Input resistance (0 to 10 V) - shelded, max shelded, shelded, max shelded, s		
Cable length  • shielded, max.  Analog outputs  Number of analog outputs  Need of the length of the		
** shielded, max.** Analog outputs    Number of analog outputs   0		≥100k ohms
Analog outputs  Number of analog outputs  Analog value generation for the inputs  Integration and conversion time/resolution per channel  Resolution with overange (bit including sign), max.  Integration time, parameterizable  Resolution with overange (bit including sign), max.  Integration time, parameterizable  Resolution with overange (bit including sign), max.  Integration time, parameterizable  Resolution with overange (bit including sign), max.  Resolution with sign sign, max.  Resolution with sign, max.  Resolution with sign sign, max.  Resolution with sign, max.  Resol		400 4 4 4 4 4 4 4 4 4 4
Number of analog outputs Analog value generation for the inputs Integration and conversion time/resolution per channel  • Resolution with overrange (bit including sign), max. • Integration time, parameterizable  • Conversion time (per channel)  Encoder Connectable encoders  • 2 wire sensor  • Interface  • Interface type  • Interface type  • Interface type  • Interface type  Autonogotiation  Yes  Autonogotiation  Yes  Autonogotiation  Yes  Autonogotiation  Yes  • Autonogotiation  Yes  • Number of ports  • Interface types  • RI 45 (Ethernet)  • Number of ports  • Interface types  • RI 65 (Ethernet)  • Number of ports  • Interface types  • RI 75 (Ethernet)  • PROFINET IO Controller  • PROFINET IO Controller  • PROFINET IO Controller  • PROFINET IO Communication  • Yes  • Self addendancy  • Media are dundancy  • Media are dundancy  • Modia fedundancy  • PROFINET IO Controller  • Transmission rate, max.  • Media fedundancy  • PROFINET IO Controller  • Transmission rate, max.  • Modia fedundancy  • PROFINET IO Controller  • Transmission rate, max.  • Modia fedundancy  • No  PROFINET IO Controller  • Transmission rate, max.  • Modia fedundancy  • No  PROFINET IO Controller  • Transmission rate, max.  • PROFINET IO Controller  • Transmission rate, max.  • Modia fedundancy  • No  • PROFINET IO Controller  • Transmission rate, max.  • Transmissi		100 m; twisted and snielded
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Isolated Yes automatic detection of transmission rate Yes Autocrossing Yes Interface types  • RJ 45 (Ethernet) Yes • Integrated switch No Protocols • PROFINET IO Controller • PROFINET IO Device Yes • SIMATIC communication Yes • Open IE communication Yes • Media redundancy No PROFINET IO Controller • Transmission rate, max. 100 Mbit/s  Services  - PG/OP communication Yes; optionally also encrypted  • Transmission rate, max. 100 Mbit/s  Services  - PG/OP communication Yes; optionally also encrypted  • Ves (Profined No) • PROFINET IO Controller • Transmission rate, max. 100 Mbit/s  Services  - PG/OP communication Yes; encryption with TLS V1.3 pre-selected  • IRT No • No • PROFiner IO Controller • Transmission rate, max. 100 Mbit/s  Services  - PG/OP communication Yes; encryption with TLS V1.3 pre-selected  • IRT No • No • PROFiner IO Controller • Transmission rate, max. 16 • Activation/deactivation of IO Devices of RT, max. 16 • Activation/deactivation of IO Devices Yes • Number of Connectable IO Devices of RT, max. 16 • Activation/deactivation of IO Devices Yes • Number of Profined No • Transmission rate 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
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<ul> <li>Open IE communication</li> <li>Web server</li> <li>Media redundancy</li> <li>No</li> </ul> PROFINET IO Controller <ul> <li>Transmission rate, max.</li> <li>Services</li> <li>— PG/OP communication</li> <li>— Isochronous mode</li> <li>— IRT</li> <li>— PROFlenergy</li> <li>— Prioritized startup</li> <li>— Number of IO devices with prioritized startup, max.</li> <li>— Number of connectable IO Devices, max.</li> <li>— Number of connectable IO Devices for RT, max.</li> <li>— of which in line, max.</li> <li>— Activation/deactivation of IO Devices</li> <li>— Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>— Updating time</li> </ul> PROFINET IO Device Services Services Yes 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		
<ul> <li>Open IE communication</li> <li>Web server</li> <li>Media redundancy</li> <li>No</li> </ul> PROFINET IO Controller <ul> <li>Transmission rate, max.</li> <li>Services</li> <li>— PG/OP communication</li> <li>— Isochronous mode</li> <li>— IRT</li> <li>— PROFlenergy</li> <li>— Prioritized startup</li> <li>— Number of IO devices with prioritized startup, max.</li> <li>— Number of connectable IO Devices, max.</li> <li>— Number of connectable IO Devices for RT, max.</li> <li>— of which in line, max.</li> <li>— Activation/deactivation of IO Devices</li> <li>— Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>— Updating time</li> </ul> PROFINET IO Device Services Services Yes 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		
■ Web server     ■ Media redundancy     No  PROFINET IO Controller      ■ Transmission rate, max.     100 Mbit/s  Services     □ PG/OP communication     □ Isochronous mode     □ IRT     □ PROFlenergy     □ Prioritized startup     □ Number of IO devices with prioritized startup, max.     □ Number of connectable IO Devices, max.     □ In which in line, max.     □ Activation/deactivation of IO Devices     □ Number of IO Devices that can be simultaneously activated/deactivated, max.     □ Updating time  PROFINET IO Device  Services  Yes  No  Yes; encryption with TLS V1.3 pre-selected  No  No  16  No  No  16  16  17  18  19  19  10  10  10  10  10  10  10  10		
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- PG/OP communication - Isochronous mode - IRT - No - PROFlenergy - Prioritized startup - Number of IO devices with prioritized startup, max Number of connectable IO Devices, max Number of connectable IO Devices for RT, max Of which in line, max Activation/deactivation of IO Devices - Number of IO Devices that can be simultaneously activated/deactivated, max Updating time - Ves; encryption with TLS V1.3 pre-selected No No No No - No - No - PROFlenergy - No - 16 - Of which in line, max Yes - Number of connectable IO Devices - Number of IO Devices - Number of IO Devices that can be simultaneously activated/deactivated, max 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	Transmission rate, max.	100 Mbit/s
- Isochronous mode - IRT - PROFlenergy - Prioritized startup - Number of IO devices with prioritized startup, max Number of connectable IO Devices, max Number of connectable IO Devices for RT, max Number of connectable IO Devices for RT, max Of which in line, max Activation/deactivation of IO Devices - Number of IO Devices that can be simultaneously activated/deactivated, max 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	Services	
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<ul> <li>— PROFlenergy</li> <li>— Prioritized startup</li> <li>— Number of IO devices with prioritized startup, max.</li> <li>— Number of connectable IO Devices, max.</li> <li>— Number of connectable IO Devices for RT, max.</li> <li>— Of which in line, max.</li> <li>— Activation/deactivation of IO Devices</li> <li>— Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>— Updating time</li> <li>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.</li> </ul>	— Isochronous mode	No
<ul> <li>— Prioritized startup</li> <li>— Number of IO devices with prioritized startup, max.</li> <li>— Number of connectable IO Devices, max.</li> <li>— Number of connectable IO Devices for RT, max.</li> <li>— of which in line, max.</li> <li>— Activation/deactivation of IO Devices</li> <li>— Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>— Updating time</li> <li>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.</li> </ul> PROFINET IO Device Services	— IRT	No
<ul> <li>Number of IO devices with prioritized startup, max.</li> <li>Number of connectable IO Devices, max.</li> <li>Number of connectable IO Devices for RT, max.</li> <li>of which in line, max.</li> <li>Activation/deactivation of IO Devices</li> <li>Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>Updating time</li> <li>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.</li> </ul>	— PROFlenergy	No
<ul> <li>Number of connectable IO Devices, max.</li> <li>Number of connectable IO Devices for RT, max.</li> <li>of which in line, max.</li> <li>Activation/deactivation of IO Devices</li> <li>Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>Updating time</li> <li>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.</li> </ul> PROFINET IO Device Services	<ul> <li>Prioritized startup</li> </ul>	Yes
<ul> <li>Number of connectable IO Devices for RT, max.</li> <li>of which in line, max.</li> <li>Activation/deactivation of IO Devices</li> <li>Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>Updating time</li> <li>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.</li> </ul> PROFINET IO Device Services	<ul> <li>Number of IO devices with prioritized startup, max.</li> </ul>	16
<ul> <li>— of which in line, max.</li> <li>— Activation/deactivation of IO Devices</li> <li>— Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>— Updating time</li> <li>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.</li> </ul> PROFINET IO Device Services	<ul> <li>Number of connectable IO Devices, max.</li> </ul>	16
<ul> <li>— Activation/deactivation of IO Devices</li> <li>— Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>— Updating time</li> <li>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.</li> </ul> PROFINET IO Device Services	<ul> <li>Number of connectable IO Devices for RT, max.</li> </ul>	16
<ul> <li>Number of IO Devices that can be simultaneously activated/deactivated, max.</li> <li>Updating time</li> <li>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.</li> </ul> PROFINET IO Device Services	— of which in line, max.	16
activated/deactivated, max.  — 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		
— 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		8
component set for PROFINÉT IO, on the number of IO devices and the quantity of configured user data.  PROFINET IO Device  Services		The minimum value of the update time also depends on the communication
PROFINET IO Device Services	opedang and	component set for PROFINET IO, on the number of IO devices and the quantity
	PROFINET IO Device	
— PG/OP communication Yes; encryption with TLS V1.3 pre-selected	Services	
	— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected
— Isochronous mode No	— 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	No
— 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
— Data lengin, max.  Web server	1 472 byte
	Yes
• supported	
User-defined websites  OPC UA	Yes
	Vac IID cial Barana and in d
Runtime license required	Yes; "Basic" license required
<ul> <li>OPC UA Server</li> <li>Application authentication</li> </ul>	Yes; data access (read, write, subscribe), method call, runtime license required Available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Sha256
<ul><li>User authentication</li></ul>	"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 server metrious, max.      Number of monitored items, recommended max.	1 000
Number of monitored items, recommended max.      Number of server interfaces, max.	2
Number of server interfaces, max.      Number of nodes for user-defined server interfaces,	2 2 000
max.	2 000
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	
• 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/control variable	Yes
Status/control variable	
Variables  Foreign	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Forcing	Voc
Forcing     Diagnostic buffer	Yes
	Voc
• present	Yes
Traces	
Number of configurable Traces     Manager size per trace may	2
Memory size per trace, max.  Intermediate the size of the siz	512 kbyte
Interrupts/diagnostics/status information	
Diagnostics indication LED	V
• RUN/STOP LED	Yes
• ERROR LED	Yes
MAINT LED	Yes
Integrated Functions	
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	
<ul> <li>Potential separation digital inputs</li> </ul>	500V AC for 1 minute
between the channels, in groups of	1
Potential separation digital outputs	
<ul> <li>Potential separation digital outputs</li> </ul>	Relays
<ul> <li>between the channels</li> </ul>	No
between the channels, in groups of	2
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	
<ul> <li>Interference immunity on supply lines acc. to IEC 61000- 4-4</li> </ul>	Yes
<ul> <li>Interference immunity on signal cables acc. to IEC 61000- 4-4</li> </ul>	Yes
Interference immunity against voltage surge	
<ul> <li>Interference immunity on supply lines acc. to IEC 61000- 4-5</li> </ul>	Yes
Interference immunity against conducted variable disturbance indu	ced 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
Degree 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
Ambient conditions	
Free fall	
i rec tall	

• 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
<ul> <li>horizontal installation, min.</li> </ul>	-20 °C
<ul> <li>horizontal installation, max.</li> </ul>	60 °C
<ul> <li>vertical installation, min.</li> </ul>	-20 °C
<ul> <li>vertical installation, max.</li> </ul>	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	5 555 m, restrictions for metallication difficulties 2 555 m, 555 marical
Operation, max.	95 %; no condensation
Vibrations	33 70, no condensation
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	
<ul> <li>SO2 at RH &lt; 60% without condensation</li> </ul>	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: write protection     Protection level: Read/write protection	Yes
Protection level: Read/write protection     Protection level: Complete protection	Yes
	1 03
programming / cycle time monitoring / header	Von
adjustable	Yes
Dimensions	440
Width	110 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	435 g

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