## SIEMENS

## Data sheet

## 6ES7214-1BG40-0XB0



SIMATIC S7-1200, CPU 1214C, compact CPU, AC/DC/relay, onboard I/O: 14 DI 24 V DC; 10 DO relay 2 A; 2 AI 0-10 V DC, Power supply: AC 85-264 V AC at 47-63 Hz, Program/data memory 100 KB

Figure similar	
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General information	
Product type designation	CPU 1214C AC/DC/relay
Firmware version	V4.5
Engineering with	
<ul> <li>Programming package</li> </ul>	STEP 7 V17 or higher
Supply voltage	
Rated value (AC)	
• 120 V AC	Yes
• 230 V AC	Yes
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V
Line frequency	
<ul> <li>permissible range, lower limit</li> </ul>	47 Hz
<ul> <li>permissible range, upper limit</li> </ul>	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
l²t	0.8 A <sup>2</sup> ·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	
<ul> <li>integrated</li> </ul>	100 kbyte
expandable	No
Load memory	
<ul> <li>integrated</li> </ul>	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

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for word operations, typ. for floating point arithmetic, typ.	1.7 μs; / instruction 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
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	
<ul> <li>per priority class, max.</li> </ul>	16 kbyte; Priority class 1 (program cycle): 16 KB, priority class 2 to 26: 6 KB
Address area	
Process image	
Inputs, adjustable	1 kbyte
<ul> <li>Outputs, adjustable</li> </ul>	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
<ul> <li>Deviation per day, max.</li> </ul>	±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
pulametenzable	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	
<ul> <li>shielded, max.</li> </ul>	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	
<ul> <li>Number of relay outputs</li> </ul>	10
<ul> <li>Number of operating cycles, max.</li> </ul>	mechanically 10 million, at rated load voltage 100 000
Cable length	

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<ul> <li>shielded, max.</li> </ul>	500 m
<ul> <li>snielded, max.</li> <li>unshielded, max.</li> </ul>	500 m 150 m
Analog inputs	150 m
	2
Number of analog inputs Input ranges	2
Voltage	Yes
Input ranges (rated values), voltages	163
• 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	0
Analog value generation for the inputs	°
Integration and conversion time/resolution per channel	10 bit
Resolution with overrange (bit including sign), max.	Yes
<ul> <li>Integration time, parameterizable</li> <li>Conversion time (per channel)</li> </ul>	
	625 μs
Encoder	
Connectable encoders	Vee
2-wire sensor	Yes
1. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes
Interface types	N.e.
RJ 45 (Ethernet)	Yes 1
Number of ports	i No
integrated switch Protocols	NO
PROFINET IO Controller	Yes
PROFINET IO Device	Yes
SIMATIC communication	Yes
Open IE communication	Yes; Optionally also encrypted
Web server	Yes
Media redundancy	No
PROFINET IO Controller	10
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,	16
max.	
— Number of connectable IO Devices, max.	16
<ul> <li>Number of connectable IO Devices for RT,</li> </ul>	16
max.	16
<ul> <li>— of which in line, max.</li> <li>— Activation/deactivation of IO Devices</li> </ul>	16 Yes
— Activation/deactivation of IO Devices     — Number of IO Devices that can be	Yes 8
simultaneously activated/deactivated, max.	0
— 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

<ul> <li>— Shared</li> </ul>	device
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Yes 2

- Number of IO Controllers with shared device,

<ul> <li>— Number of IO Controllers with shared device,</li> </ul>	2
max.	
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
	14/2 Dyte
Web server	Vee
<ul> <li>supported</li> <li>black defined websites</li> </ul>	Yes
User-defined websites	Yes
OPC UA	Ver "Desia" license required
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
- 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
<ul> <li>– number of monitored items, recommended</li> </ul>	1 000
max.	
— Number of server interfaces, max.	2
— Number of nodes for user-defined server	2 000
interfaces, max.	
Further protocols	
MODBUS	Yes
communication functions / header	
S7 communication	
	Yes
supported     as server	Yes
<ul> <li>as server</li> <li>as client</li> </ul>	Yes
User data per job, max.     Number of connections	See online help (S7 communication, user data size)
	PC Connections: A reconved ( A may LIMI Connections: 40 records of (
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

Fraction         Description           • Forcing         Yes           • Operation         Status           • Present         Yes           • Number of configurable Traces         2           • Number of configurable Traces         2           • Number of configurable Traces         512 kbyte           • Rencov size per traces         542 kbyte           • Rencov size per traces         542 kbyte           • Rencov size per traces         542 kbyte           • Rencov size per traces         7           • Potentia	Variables	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Diagnask buffer         • present         Yes           Traces         • Mumber of configurable Traces         2           • Mumber of configurable Traces         9           • REROR RED         Yes           • Mumber of confisioning axes, max.         8           Number of positioning axes, max.         8           Number of confisioning axes, max.         8           Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         700V AC for 1 minute           • Potential separation digital outputs         8           • Potential separation digital outputs         8           • Detreme the channels, in groups of         1           • Potential separation digital outputs         Relays           • Interference immunuty against discharge of static electricity         Yes           • Interference immunuty against discharge of static electricity         Yes           • Interference immunuty against tright-frequency         Yes           • I		Yes
There         -           Number of ondigurable Traces         2           • Memory size per trace. max.         512 kbyte           Interruptsfidisprosticulation interface         Vois           • REROR RED         Yes           • Reparted Functions         Yes           Integrated Functions         Yes           Integrated Functions         Yes           Integrated Functions         Yes           Prequency measurement         Yes           Number of positioning axes, max.         8           Number of position-controlled positioning axes, max.         8           Number of position-controlled positioning axes, max.         8           Potential separation digital inputs         500V AC for 1 minute           • Obtential separation digital inputs         500V AC for 1 minute           • Obtential separation digital inputs         500V AC for 1 minute           • Obtential separation digital inputs         500V AC for 1 minute           • Obtential separation digital outputs         Relays           • Obtential separation digital outputs         Relays           • Obtential separation digital outputs         No           • Interference immunity outputs         Relays           • Interference immunity outputs         Yes           • I		
Memory size per trace, max.         S12 kbyle          Interrupts/displostics/status Information         Displostics indication IED         Kews S10 P LED         Yes         FRROR LED         Yes         FRROR LED         Yes         FRROR LED         Yes         FRROR LED         Yes         Kensorement         Yes         Kensorement         Yes         Kensorement         Yes         Kensorement         Yes         Yes         Kensorement         Yes	present	Yes
• Memory size per "rate, max.         512 kbyte           Interrupts/disprosticu/status information         •           • RUNSTOP LED         Yes           • RENOR RLED         Yes           • MAINT LED         Yes           • Interrupts/disprosticu/status information         Yes           • Manner of positioning axes, max.         8           Number of positioning axes via pube direction interface         Yes           Number of positioning axes via pube direction interface         Yes           Number of positioning axes via pube direction interface         Yes           Number of positioning axes via pube direction interface         Yes           Number of positioning axes via pube direction interface         Yes           Number of positioning axes via pube direction interface         Yes           Number of positioning axes via pube direction interface         Yes           Potential separation digital outputs         SOUV AC for 1 minute           • Potential separation digital outputs         Releys           • Determent in groups of 2         EM           • Enterference immunity against discharge of static electricity via totage at ontaic discharge         8 kV           • Interference immunity on signal cables acc. to IEC         Yes           • Interference immunity on signal cables acc. to IEC         Yes </td <td>Traces</td> <td></td>	Traces	
Interception         Proceedings           Diagnostics indication LED         Yes           • RUNSTOP LED         Yes           • ENROR LED         Yes           • MAINT LED         Yes           Integrated Functions         Yes           Frequency measurement         Yes           Number of position-controlled positioning axes, max.         8           Number of position-controlled positioning axes, vax.         8           Number of position-controlled positioning axes via pulse-direction interface         Vers           Plo omtoil separation         500V AC for 1 minute           • Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         Relays           • between the channels in groups of         1           • Potential separation digital outputs         Relays           • between the channels in groups of         2           • Interference immunity against discharge of static alecticity         Yes           • Interference immunity against discharge of static alecticity         Yes           • Interference immunity against discharge of static alecticity         Yes           • Interference immunity against discharge of static alecticity         Yes           • Interference immunity against alecticity as unge         Yes	-	
Diagnostics indication LED           • RUNSTOP LED         Yes           • ERROR LED         Yes           • MAINT LED         Yes           • Integrated Functions         Yes           Prequency measurement         Yes           Number of position-gaxes via pulse-direction interface         Up to 4 with SB 1222           PO controller         Yes           Number of position-gaxes via pulse-direction interface         Up to 4 with SB 1222           PO controller         Yes           • Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         Relays           • Potential separation digital outputs         Relays           • Eaternet me channets, in groups of         2           • Interference immunity against discharge of static electricity         Yes           • Interference immunity against discharge of static electricity         Yes           • Interference immunity against clockarge of static electricity         Yes           • Interference immunity against clockarge of static electricity         Yes           • Interference immunity againt		512 kbyte
• RUNSTOP LED     Yes       • EFROR LED     Yes       • MANT LED     Yes       • MANT LED     Yes       • MAINT LED     Yes       • Controlled positioning axes, max.     8       Number of positioning axes via pulse-direction interface     Up to 4 with SB 1222       • Plo controller     Yes       • Number of positioning axes via pulse-direction interface     Up to 4 with SB 1222       • Potential separation digital inputs     500V AC for 1 minute       • Potential separation digital inputs     500V AC for 1 minute       • Potential separation digital outputs     Following       • Potential separation digital outputs     No       • Detwen the channels, in groups of     2       • Eter     Titlefreence immunity against discharge of static electricity       • Interfreence immunity against discharge of static     8 kV       • Interfreence immunity against discharge of static     9 kV       • Interfreence immunity against wildeneetience     Yes       • Interfreence immunity against wildeneetience     Yes       • Interfreence immunity against wildeneetience     Yes       • Interfreence immunity against wildeneetience     Yes    <	Interrupts/diagnostics/status information	
<ul> <li>FROR LED</li> <li>Yes</li> <li>MAINT LED</li> <li>Yes</li> <li>Integrated Functions</li> <li>Frequency measurement</li> <li>Yes</li> <li>Number of position-controlled positioning axes, max.</li> <li>Number of positioning axes via pulse-direction interface</li> <li>Potential separation digital inputs</li> <li>Potential separation digital outputs</li> <li>Potential separatis discharge of static electridy wis</li></ul>		
NAINT LED         Yes           Integrated Functions         Frequency measurement         Yes           Controlled positioning axes, max.         8           Number of positioning axes via pulse-direction interface         Up to 4 with SB 1222           Pito controller         Up to 4 with SB 1222           Pito controller         Ves           Number of positioning axes via pulse-direction interface         Up to 4 with SB 1222           Pito controller         So VA C for 1 minute           Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         Relays           • between the channes in groups of         2           • Potential separation digital outputs         No           • between the channes in groups of static electricity         Ves           • between the channes in groups of static electricity         Yes           • Interference immunity against discharge of static         Yes           • Interference immunity against discharge of static electricity         Yes           • Interference immunity against contacted static electricity         Yes           • Interference immunity against contacted static electricity         Yes           • Interference immunity against contacted static electricity         Yes           • Interference immunity against vol		Yes
Integrated Functions         Yes           Frequency measurement         Yes           Number of position-controlled positioning axes, max.         8           Number of position-controlled positioning axes, max.         9           Number of position-controlled positioning axes, max.         9           Potential separation digital inputs         4           Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         Relays           • Detential separation digital outputs         Relays           • Detween the channels, in groups of         2           EMC		
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       Plocential separation digital inputs     4       Potential separation digital inputs     500V AC for 1 minute       • Potential separation digital inputs     500V AC for 1 minute       • Potential separation digital outputs     Relays       • between the channels, in groups of     1       • Potential separation digital outputs     Relays       • between the channels, in groups of     2       EMC     Interference immunity against discharge of static electricity       • Interference immunity against discharge of static electricity     Yes       • Interference immunity on supply lines acc. to IEC     Yes       01000-4.5     Yes       • Interference immunity on supply lines acc. to IEC     Yes       01000-4.5     Yes       Interference immunity on supply lines acc. to IEC     Yes       01000-4.5     Yes       Interference immunity on supply lines acc. to IEC     Yes       01000-4.5     Yes       Interference immunity against conducted variable disturbance     Yes       01000-4.5     Yes       Interference immunity against conducted variable disturbance     Yes   <	MAINT LED	Yes
controller         Yes           Number of positioning axes, max.         8           Number of positioning axes, wa pulse-direction interface         Up to 4 with SB 1222           Protential separation digital inputs         4           Potential separation digital inputs         500V AC for 1 minute           • Detential separation digital outputs         500V AC for 1 minute           • Detential separation digital outputs         Relays           • Interference immunity against discharge of static electricity         Yes           • Interference immunity on supply lines acc. to IEC         Yes           • Interference immunity on supply lines acc. to IEC         Yes           • Interference immunity on supply lines acc. to IEC         Yes           • Interference immunity against tonducted variable disturbance         Interference immunity against tonducted variable disturbance           • In	Integrated Functions	
Number of positioning axes, max.         8           Number of positioning axes via pulse-direction interface         Up to 4 with SB 1222           PUIC controller         Yes           Number of alarm inputs         4           Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         1           • Potential separation digital outputs         Relays           • Potential separation digital outputs         Relays           • Detential separation digital outputs         Relays           • between the channels, in groups of         2           EMC         Interference immunity against discharge of static electricity           • Interference immunity against discharge         8 kV           - Test voltage at air discharge         6 kV           Interference immunity to cable-borne interference         Yes           • Interference immunity on supply lines acc. to IEC         Yes           61000-4-5         Yes           • Interference immunity against voltage surge		
Number of positioning axes via pulse-direction interface PID controller         Up to 4 with SB 1222 Yes           Potential separation digital inputs         4           Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         Relays           • Potential separation digital outputs         Relays           • Detential separation digital outputs         Relays           • between the channels, in groups of         2           EMC         Interference immunity against discharge of static electricity           • Interference immunity against discharge         8 kV           • Interference immunity against discharge         8 kV           • Test voltage at air discharge         8 kV           • Test voltage at air discharge         8 kV           • Interference immunity on signal cables acc. to IEC 61000-4-4         Yes           • Interference immunity against conducted variable distubance induced by high-frequency fields         Yes           • Interference immunity against conducted variable distubance induced by high-frequency fields         Yes           • Interference immunity against conducted variable distubance induced by high-frequency fields         Yes           • Interference immunity against conducted variable distubance         Yes <td>1 0</td> <td></td>	1 0	
PID controller     Yes       Number of alam inputs     4       Potential separation digital inputs     500V AC for 1 minute       • Potential separation digital inputs     500V AC for 1 minute       • between the channels, in groups of     1       • Potential separation digital outputs     Relays       • Potential separation digital outputs     Relays       • between the channels, in groups of     2       • Determinity against discharge of static electricity     No       • Interference immunity against discharge     8 kV       • Interference immunity on supply lines acc. to IEC folloo 4-2     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-4     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-4     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-4     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-4     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-4     Yes       • Interference immunity against voltage surge     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-5     Yes       Interference immunity on supply lines acc. to IEC folloo 4-5     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-5     Yes       • Interference immunity on supply lines acc. to IEC folloo 4-5     Yes       • Interference im		
Number of alarm inputs         4           Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         Relays           • Potential separation digital outputs         Relays           • Potential separation digital outputs         Relays           • between the channels, in groups of         2           EMC         Test voltage at all discharge of static electricity           • Interference immunity against discharge of static electricity acc, to IEC folt00-4.2         Yes           • Interference immunity on supply lines acc. to IEC folt00-4.4         No           • Interference immunity against voltage surge         KV           • Interference immunity on supply lines acc. to IEC folt00-4.4         Yes           • Interference immunity against voltage surge         Yes           • Interference immunity against voltage surge         Yes           • Interference immunity against high-frequency         Yes           • Interference		
Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital inputs         500V AC for 1 minute           • Potential separation digital outputs         Relays           • Potential separation digital outputs         Relays           • Potential separation digital outputs         Relays           • Detential separation digital outputs         Relays           • Deterrence immunity against discharge of static electricity         Intefference immunity against discharge           • Interference immunity to cable-bone interference         8 kV           - Test voltage at contact discharge         8 kV           - Interference immunity to supply lines acc. to IEC         Yes           61000-4-4         Interference immunity against onducted variable disturbance         Interference immunity against onducted variable disturbance           • Interference immunity against tool-00C         Yes         Yes           • Interference immunity against tool-00C         Yes           • Interference immunity against onducted variable disturbance         Induced by high-frequency fields           • Interference immunity against indicate accs         Yes		
Potential separation digital inputs       500V AC for 1 minute         • Potential separation digital outputs       500V AC for 1 minute         • Potential separation digital outputs       1         • Potential separation digital outputs       Relays         • between the channels       No         • between the channels       No         • between the channels       No         • between the channels       Yes         electroity acc. to IEC 61000-42       Yes         — Test voltage at air discharge       8 kV         — Test voltage at air discharge       6 kV         Interference immunity against discharge       6 kV         Interference immunity on supply lines acc. to IEC 61000-44       Yes         • Interference immunity against voltage surge       Yes         • Interference immunity against voltage surge       Yes         • Interference immunity against voltage surge       Yes         • Interference immunity against tonducted variable disturbance induced by high-frequency fields       Interference immunity against tonducted variable disturbance         • Interference immunity against conducted variable disturbance       Yes         • Interference immunity against conducted variable disturbance       Yes         • Interference immunity against conducted variable disturbance       Yes		4
• Potential separation digital inputs     500V AC for 1 minute       • between the channels, in groups of     1       • Potential separation digital outputs     Relays       • between the channels     No       • Interference immunity against discharge of static electricity     Interference immunity against discharge       • Interference immunity on supply lines acc. to IEC     Yes       • Interference immunity on supply lines acc. to IEC     Yes       • Interference immunity against voltage surge     Yes       • Interference immunity against voltage surge     Yes       • Interference immunity on supply lines acc. to IEC     Yes       • Interference immunity against voltage surge     Yes       • Interference		
between the channels, in groups of Potential separation digital outputs Potential separation digital discharge of static Potential separation digital discharge of static electricity Potential separation digital outputs Potential separation digital discharge of static electricity Potential separation digital outputs Potential separation digital discharge of static electricity Potential separation digital outputs Potential separation digital outputs Potential material electricity Potential interference immunity against high-frequency Potential interference immunity against high-		FOOV A C for 1 minute
Potential separation digital outputs       Relays <ul> <li>Potential separation digital outputs</li> <li>Relays</li> <li>No</li> <li>between the channels</li> <li>interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge</li> <li>Reize and charge</li> <li>Reize and charge at contact discharge</li> <li>Reize and charge at contact discharge acc. to IEC</li> <li>Reize and charge at contact discharge acc. to IEC</li> <li>Reize and charge at contact discharge acc. to IEC</li> <li>Reize and charge at conducted variable disturbance induced by high-frequency fields</li> <li>Interference immunity against conducted variable disturbance induced by high-frequency fields</li> <li>Interference acc. to IEX 5101</li> <li>Ves; Group 1</li> <li>Caracta discharge are charge at contact discharge acc. to IEC</li> <li>Standards, paprovals, cortificates</li> <li>Yes, When appropriate measures are used to ensure compl</li></ul>		
• Potential separation digital outputs     Relays       • between the channels     No       • between the channels, in groups of     2       EMC     Interference immunity against discharge of static electricity       • Interference immunity against discharge of static electricity     Yes.       • Interference immunity against discharge     8 kV       - Test voltage at an discharge     8 kV       - Test voltage at contact discharge     6 kV       Interference immunity on supply lines acc. to IEC 61000-4.4     Yes.       • Interference immunity on supply lines acc. to IEC 61000-4.4     Yes.       • Interference immunity on supply lines acc. to IEC 61000-4.4     Yes.       • Interference immunity against voltage surge     Interference immunity against voltage surge       • Interference immunity against voltage surge     induced by high-frequency fields       • Interference immunity against voltage surge     Yes.       • Interference immunity against voltage surge     induced by high-frequency fields       • Interference immunity against voltage surge     Yes.	<b>•</b> .	1
between the channels in groups of 2  ENC  Interference immunity against discharge of static electricity      interference immunity against discharge of static electricity      interference immunity act, to IEC 61000-4-2  Interference immunity on supply lines acc, to IEC 61000-4-2  Interference immunity on supply lines acc, to IEC 61000-4-4  Interference immunity on supply lines acc, to IEC 61000-4-4  Interference immunity on supply lines acc, to IEC 61000-4-4  Interference immunity on supply lines acc, to IEC 61000-4-4  Interference immunity on supply lines acc, to IEC 61000-4-4  Interference immunity on supply lines acc, to IEC 61000-4-5  Interference immunity on supply lines acc, to IEC 61000-4-5  Interference immunity on supply lines acc, to IEC 748      interference immunity on supply lines acc, to IEC 748      interference immunity against high-frequency fields      interference immunity against high-frequency fields      interference immunity against high-frequency 748      radiation acc, to IEC 61000-4-5  Emission of radio interference acc, to EN 55 011      imits for Class B, for use in industrial areas 748; Group 1      imits for Class B, for use in residential areas 748; Wes 748      CE mark 748      Ves 748      Maproval 748      Kapproval 748      K		Relays
between the channels, in groups of     2      ENC      Interference immunity against discharge of static electricity     e. Interference immunity against discharge of static     electricity acc. to IEC 61000-4-2         — Test voltage at orintact discharge         — Test voltage at contact discharge         — Interference immunity on supply lines acc. to IEC         f1000-4-4         — Interference immunity on signal cables acc. to IEC         f1000-4-4         — Interference immunity against conducted variable disturbance induced by high-frequency fields         — Interference immunity against conducted variable disturbance induced by high-frequency fields         — Interference immunity against conducted variable disturbance induced by high-frequency fields         — Interference inmunity against high-frequency         radiation acc. to IEC 61000-4-5         Emission of radio interference acc. to EN 55 011         — Limit class B, 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         Yes         KG Approval         CE mark         UL approval         Ce mark         Ves         KG Approval         Yes         KGN (formerly C-TICK)         Yes         Karbine approval         Yes         Karbiert c		
EMC         Interference immunity against discharge of static electricity ac. to IEC 61000-4.2       Yes         — Test voltage at air discharge       8 kV         — Test voltage at air discharge       6 kV         Interference immunity to cable-borne interference       6 kV         • 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 on supply lines acc. to IEC 61000-4.4       Yes         • Interference immunity against toltage surge       • Interference immunity against toltage surge         • Interference immunity against toltage surge       • Interference immunity against toltage surge         • Interference immunity against toltage surge       Yes         • Interference immunity against toltage area       Yes         • Interference immunity against toltage area       Yes         Emission of radio Interference acc. to EN 55 011       Yes         • Limit class A, for use in industrial areas       Yes; When appropriate measures are used to ensure compliance with the limits for Cla		
Interference immunity against discharge of static electricity <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity acc, to IEC 61000-4.2</li> <li>Interference immunity to cable-bome interference</li> </ul> <ul> <li>Interference immunity on signal cables acc. to IEC 61000-4.4</li> <li>Interference immunity on signal cables acc. to IEC 61000-4.4</li> <li>Interference immunity on signal cables acc. to IEC 61000-4.4</li> <li>Interference immunity on signal cables acc. to IEC 61000-4.4</li> <li>Interference immunity on signal cables acc. to IEC 748</li> <li>Interference immunity against tigh-frequency fields</li> <li>Interference immunity against high-frequency 748</li> <li>Interference inmunity against high-frequency 748</li> <li>Iterference index 748</li> <li>Yes</li> <li>Iterference for terteton</li> <li>IP20</li></ul>		-
• Interference immunity against discharge of static       Yes         e-Creat voltage at air discharge       8 kV        Test voltage at air discharge       6 kV         Interference immunity to cable-borne interference       Yes         • Interference immunity on supply lines acc. to IEC       Yes         61000-4-4       • Interference immunity on signal cables acc. to IEC       Yes         • Interference immunity against voltage surge       • Interference immunity on supply lines acc. to IEC       Yes         • Interference immunity against toiltage surge       • Interference immunity against toiltage surge       • Interference immunity against toiltage surge         • Interference immunity against conducted variable disturbance       induced by high-frequency fields       •         • Interference immunity against toiltage requency       Yes       •         • Interference immunity against high-frequency       Yes       •         • Interference immunity against high-frequency       Yes       •         • Limit class A, for use in industrial areas       Yes; Group 1       Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011         • Limit class of protection       IP20       •         Standards, approval       Yes       •         CE mark       Yes       •         ULus		
electricity acc. to IEC 61000-42  - Test voltage at air discharge 6 kV  Interference immunity to cable-borne interference • Interference immunity on supply lines acc. to IEC 61000-4-4 • Interference immunity on signal cables acc. to IEC 61000-4-4 • Interference immunity against voltage surge • Interference immunity against conducted variable disturbance induced by high-frequency fields • Interference immunity against conducted variable disturbance induced by high-frequency fields • Interference immunity against nigh-frequency radiation acc. to IEC 61000-4-6 Emission of radio interference acc. to EN 55 011 • Limit class A, for use in industrial areas Yes; Group 1 Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011 Degree and class of protection IP20 Standards, approvals, certificates CE mark UL approval CE mark Yes FM approval Yes Ambient conditions Free fall • Fall height, max. 0.3 m; five times, in product package		Yes
— 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       •         • Interference immunity against voltage surge       •         • Interference immunity against conducted variable disturbance induced 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       Yes; Group 1         • Limit class A, for use in industrial 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       IP20         Standards, approvals, certificates       Yes         CE mark       Yes         UL approval       Yes         RCM (formerly C-TICK)       Yes         RCM (formerly C-TICK)       Yes         Marine approval       Yes         Ambient conditions       Yes         Free fail       0.3 m; five times, in product package	electricity acc. to IEC 61000-4-2	
Interference immunity to cable-borne interference       Yes         • Interference immunity on supply lines acc. to IEC       Yes         • Interference immunity on signal cables acc. to IEC       Yes         • Interference immunity against voltage surge       •         • Interference immunity against voltage surge       Yes         • Interference immunity against voltage surge       Yes         • Interference immunity against conducted variable disturbance induced 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 A, for use in industrial 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       IP20         Standards, approvals, certificates       Yes         CE mark       Yes         UL approval       Yes         cULus       Yes         RCM (formerly C-TICK)       Yes         RCM (formerly C-TICK)       Yes         Marine approval       Yes         Marine approval       Yes         Ambient conditions       Yes         <	<ul> <li>Test voltage at air discharge</li> </ul>	8 kV
• Interference immunity on supply lines acc. to IEC 61000-4-4       Yes         • Interference immunity against voltage surge       •         • Interference immunity against voltage surge       Yes         • Interference immunity against conducted variable disturbance       Yes         • Interference immunity against high-frequency radiation acc. to IEC 61000-4-6       Yes         Emission of radio interference acc. to EN 55 011       Yes; Group 1         • Limit class A, for use in industrial areas       Yes; Group 1         • Limit class G protection       IP20         Standards, approvals, certificates       Yes         CE mark       Yes         UL approval       Yes         CE mark       Yes         ULus       Yes         FM approval       Yes         RCM (formerly C-TICK)       Yes         Kapproval       Yes         Marine approval       Yes         Anbient conditions       Yes         Free fail       0.3 m; five times, in product package		6 kV
61000-4-4       • Interference immunity on signal cables acc. to IEC       Yes         • Interference immunity against voltage surge       • Interference immunity on supply lines acc. to IEC       Yes         • Interference immunity against conducted variable disturbance induced by high-frequency fields       • Interference immunity against conducted variable disturbance induced by high-frequency fields         • Interference immunity against conducted variable disturbance induced by high-frequency fields       • Interference immunity against conducted variable disturbance induced by high-frequency fields         • Interference immunity against conducted variable disturbance induced by high-frequency fields       • Interference immunity against conducted variable disturbance induced by high-frequency fields         • Interference immunity against conducted variable disturbance induced by high-frequency fields       • Interference immunity against conducted variable disturbance induced by high-frequency fields         • Interference immunity against conducted variable disturbance       Yes         • Interference immunity against conducted variable disturbance       Yes         • Limit class A, for use in industrial areas       Yes; Group 1         • Limit class B, for use in industrial areas       Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011         Pegree and class of protection       IP20         Standards, approvals, certificates       Yes         CE mark       Yes     <		
61000-4-4         Interference immunity against voltage surge         • Interference immunity on supply lines acc. to IEC         61000-4-5         Interference immunity against conducted variable disturbance         • Limit class A, for use in industrial areas         • Limit class B, for use in industrial areas         • Ves; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011         • Deg	61000-4-4	
• Interference immunity on supply lines acc. to IEC 61000-4-5       Yes         Interference immunity against conducted variable disturbance induced by high-frequency fields       • Interference immunity against high-frequency radiation acc. to IEC 61000-4-6         Emission of radio interference acc. to EN 55 011       • Limit class A, for use in industrial areas Yes; Group 1 Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011         Degree and class of protection       IP20         Standards, approvals, certificates       Yes         CE mark       Yes         UL approval       Yes         GULus       Yes         FM approval       Yes         KC approval       Yes         Marine approval       Yes         Marine approval       Yes         Ambient conditions       Yes         Free fall       0.3 m; five times, in product package		Yes
61000-4-5         Interference immunity against trigh-frequency radiation acc. to IEC 61000-4-6         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       IP20         Standards, approvals, certificates       Yes         CE mark       Yes         UL approval       Yes         cULus       Yes         FM approval       Yes         RCM (formerly C-TICK)       Yes         Marine approval       Yes         Ambient conditions       Yes         Free fall       0.3 m; five times, in product package	Interference immunity against voltage surge	
• Interference immunity against high-frequency radiation acc. to IEC 61000-4-6YesEmission of radio interference acc. to EN 55 011•• Limit class A, for use in industrial areas • Limit class B, for use in residential areasYes; Group 1 Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011Degree and class of protectionIP20IP degree of protectionIP20Standards, approvals, certificatesYesCE markYesUL approval cULusYesFM approval RCM (formerly C-TICK)YesKC approval Marine approvalYesAmbient conditionsYesFree fall0.3 m; five times, in product package		Yes
radiation acc. to IEC 61000-4-6 Emission of radio interference acc. to EN 55 011	Interference immunity against conducted variable disturbance	e induced by high-frequency fields
Emission of radio interference acc. to EN 55 011 <ul> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> </ul> Yes; Group 1 <ul> <li>Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011</li> </ul> Degree and class of protection <ul> <li>IP degree of protection</li> <li>IP20</li> </ul> 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         Yes           Free fall <ul> <li>Fall height, max.</li> <li>0.3 m; five times, in product package</li> </ul>		Yes
Limit class A, for use in industrial areas     Limit class B, for use in residential areas     Yes; Group 1     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     IP degree of protection     IP 20     Standards, approvals, certificates     CE mark     UL approval     CE mark     Ves     Ves     UL approval     Yes     Yes     FM approval     Yes     FM approval     Yes     KC approval     Yes     KC approval     Yes     Yes     Marine approval     Yes     Yes     Ambient conditions     Free fall     • Fall height, max.     0.3 m; five times, in product package		
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 IP 20  Standards, approvals, certificates CE mark Yes CE mark Yes UL approval Yes UL approval Yes FM approval Yes FM approval Yes RCM (formerly C-TICK) Yes KC approval Yes Marine approval Yes  Ambient conditions Free fall • Fall height, max. 0.3 m; five times, in product package		Vec: Group 1
the limits for Class B according to EN 55011       Degree and class of protection     IP 20       IP degree of protection     IP20       Standards, approvals, certificates     Yes       CE mark     Yes       UL approval     Yes       cULus     Yes       FM approval     Yes       RCM (formerly C-TICK)     Yes       KC approval     Yes       Marine approval     Yes       Ambient conditions     O.3 m; five times, in product package		
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       Yes         Free fall       0.3 m; five times, in product package		
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       Yes         Free fall       0.3 m; five times, in product package	Degree and class of protection	
CE mark     Yes       UL approval     Yes       cULus     Yes       FM approval     Yes       RCM (formerly C-TICK)     Yes       KC approval     Yes       Marine approval     Yes       Marine approval     Yes       Free fall     0.3 m; five times, in product package		IP20
CE mark     Yes       UL approval     Yes       cULus     Yes       FM approval     Yes       RCM (formerly C-TICK)     Yes       KC approval     Yes       Marine approval     Yes       Marine approval     Yes       Free fall     0.3 m; five times, in product package	Standards, approvals, certificates	
UL approval       Yes         cULus       Yes         FM approval       Yes         RCM (formerly C-TICK)       Yes         KC approval       Yes         Marine approval       Yes         Marine approval       Yes         Free fall       0.3 m; five times, in product package		Yes
cULus     Yes       FM approval     Yes       RCM (formerly C-TICK)     Yes       KC approval     Yes       Marine approval     Yes       Ambient conditions     Yes       Free fall     0.3 m; five times, in product package	UL approval	Yes
RCM (formerly C-TICK)     Yes       KC approval     Yes       Marine approval     Yes       Ambient conditions     Yes       Free fall     0.3 m; five times, in product package		Yes
KC approval     Yes       Marine approval     Yes       Ambient conditions     Yes       Free fall     0.3 m; five times, in product package	FM approval	Yes
Marine approval     Yes       Ambient conditions     Yes       Free fall     0.3 m; five times, in product package	RCM (formerly C-TICK)	Yes
Ambient conditions         Free fall         • Fall height, max.         0.3 m; five times, in product package	KC approval	Yes
Free fall         • Fall height, max.         0.3 m; five times, in product package	Marine approval	Yes
• Fall height, max. 0.3 m; five times, in product package	Ambient conditions	
	Free fall	
Ambient temperature during operation		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
vertical installation, min.	-20 °C
<ul> <li>vertical installation, max.</li> </ul>	50 °C
Ambient temperature during storage/transportation	30 0
min.	-40 °C
• max.	-40°C
Air pressure acc. to IEC 60068-2-13	10 0
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
<ul> <li>Installation altitude, max.</li> </ul>	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Relative humidity	
Operation, max.	95 %; no condensation
Vibrations	
Vibrations     Vibration resistance during operation acc. to IEC	2 g (m/s <sup>2</sup> ) wall mounting, 1 g (m/s <sup>2</sup> ) DIN rail
60068-2-6	
Operation, tested according to IEC 60068-2-6	Yes
Shock testing	
<ul> <li>tested according to IEC 60068-2-27</li> </ul>	Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak
<b>3</b>	value), duration 11 ms
Pollutant concentrations	
<ul> <li>Pollutant concentrations</li> <li>SO2 at RH &lt; 60% without condensation</li> </ul>	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
• SO2 at RH < 60% without condensation configuration / header	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
• SO2 at RH < 60% without condensation configuration / header configuration / programming / header	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
• SO2 at RH < 60% without condensation configuration / header	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
SO2 at RH < 60% without condensation     configuration / header     Configuration / programming / header     Programming language	
SO2 at RH < 60% without condensation     configuration / header     Configuration / programming / header     Programming language     — LAD	Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language</li> <li>LAD</li> <li>FBD</li> </ul>	Yes Yes
SO2 at RH < 60% without condensation     configuration / header     configuration / programming / header     Programming language         — LAD         — FBD         — SCL	Yes Yes
SO2 at RH < 60% without condensation     configuration / header     configuration / programming / header     Programming language         — LAD         — FBD         — SCL     Know-how protection	Yes Yes Yes
SO2 at RH < 60% without condensation     configuration / header     configuration / programming / header     Programming language         — LAD         — FBD         — SCL     Know-how protection     • User program protection/password protection	Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language</li> <li>LAD</li> <li>FBD</li> <li>SCL</li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> </ul>	Yes Yes Yes Yes Yes
SO2 at RH < 60% without condensation     configuration / header     configuration / programming / header     Programming language         — LAD         — FBD         — SCL     Know-how protection         • User program protection/password protection         • Copy protection	Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Access protection</li> </ul>	Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>protection of confidential configuration data</li> </ul>	Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>protection of confidential configuration data</li> <li>Protection level: Write protection</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language</li> <li>LAD</li> <li>FBD</li> <li>SCL</li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>Access protection</li> <li>protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>Access protection</li> <li>protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> <li>programming / cycle time monitoring / header</li> <li>adjustable</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> <li>programming / cycle time monitoring / header</li> <li>adjustable</li> <li>Dimensions</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>Protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> <li>programming / cycle time monitoring / header</li> <li>adjustable</li> <li>Dimensions</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>Access protection</li> <li>protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> <li>programming / cycle time monitoring / header</li> <li>adjustable</li> </ul> <li>Dimensions</li>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>Protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> <li>programming / cycle time monitoring / header</li> <li>adjustable</li> <li>Dimensions</li> <li>Width</li> <li>Height</li> <li>Depth</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> <li>programming / cycle time monitoring / header</li> <li>adjustable</li> <li>Dimensions</li> <li>Width</li> <li>Height</li> <li>Depth</li> <li>Weights</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>SO2 at RH &lt; 60% without condensation</li> <li>configuration / header</li> <li>configuration / programming / header</li> <li>Programming language         <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul> </li> <li>Know-how protection</li> <li>User program protection/password protection</li> <li>Copy protection</li> <li>Block protection</li> <li>Block protection</li> <li>Protection of confidential configuration data</li> <li>Protection level: Write protection</li> <li>Protection level: Read/write protection</li> <li>Protection level: Complete protection</li> <li>programming / cycle time monitoring / header</li> <li>adjustable</li> <li>Dimensions</li> <li>Width</li> <li>Height</li> <li>Depth</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
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Pobrano z: https://sterowniki-plc.net/sterownik-plc-cpu-1214c-simatic-s7-1200-ac-dc-przekaznik-siemens-6es7214-1bg40-0xb0