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 100 KB

Product type designation Firmware version Firmware version Programming package Supply voltage Rated value (DC) 24 V DC permissible range, lower limit (DC) 20 AV permissible range, uper limit (DC) Permissible range, lower limit (DC) Permissible range, uper limi	General information	
Engineering with ● Programming package Sypply voltage Rated value (DC) • 24 V DC permissible range, lower limit (DC) permissible range, upper limit (DC) 20.4 V permissible range, upper limit (DC) 22.8 V Reverse polarity protection Load voltage L+ ● Rated value (DC) • permissible range, lower limit (DC) 24 V • permissible range, upper limit (DC) 22.8 V permissible range, upper limit (DC) 22.8 V Input current Current consumption (rated value) Current consumption (rated value) Current consumption, max. 1 500 mA; CPU only Current consumption, max. 1 12 A; at 28.8 V Pt 0.8 A²-s Output current for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM Encoder supply 24 V encoder supply 24 V encoder supply • 24 V ↓ t- minus 4 V DC min. Power loss Power loss Power loss, typ. 12 W Memory Work memory • integrated • expandable No Load memory • integrated • expandable Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present • present • present • maintenance-free Yes	Product type designation	CPU 1214C DC/DC/relay
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L+ minus 4 V DC min. Power loss Power loss, typ. 12 W Memory Work memory integrated expandable No Load memory integrated Flug-in (SIMATIC Memory Card), max. Backup present maintenance-free Yes	Encoder supply	
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Power loss, typ. Memory Work memory integrated expandable Load memory integrated Plug-in (SIMATIC Memory Card), max. Backup present maintenance-free 100 kbyte 100 kbyte 4 Mbyte kith SIMATIC memory card kith SIMATIC memory card Yes Yes	• 24 V	L+ minus 4 V DC min.
Memory Work memory integrated expandable Load memory integrated Plug-in (SIMATIC Memory Card), max. Backup epresent maintenance-free Yes Yes	Power loss	
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 expandable Load memory integrated Plug-in (SIMATIC Memory Card), max. Backup present maintenance-free No 4 Mbyte with SIMATIC memory card Yes Yes 	Work memory	
Load memory • integrated • Plug-in (SIMATIC Memory Card), max. Backup • present • maintenance-free Yes	integrated	100 kbyte
 integrated Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup present maintenance-free Yes Yes 	expandable	No
 Plug-in (SIMATIC Memory Card), max. Backup present maintenance-free with SIMATIC memory card Yes Yes 	Load memory	
Backup	• integrated	
 present maintenance-free Yes Yes 	 Plug-in (SIMATIC Memory Card), max. 	with SIMATIC memory card
• maintenance-free Yes	Backup	
	•	
without battery Yes		
•		Yes
CPU processing times	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
OB	
Number, max.	Limited only by RAM for code
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	14 kbyte
Flag	
• Size, max.	8 kbyte; Size of bit memory address area
Local data	
 per priority class, max. 	16 kbyte; Priority class 1 (program cycle): 16 KB, priority class 2 to 26: 6 KB
Address area	
Process image	
Inputs, adjustable	1 kbyte
Outputs, adjustable	1 kbyte
Hardware configuration	
Number of modules per system, max.	3 comm. modules, 1 signal board, 8 signal modules
Time of day	
Clock	
Hardware clock (real-time)	Yes
Backup time	480 h; Typical
Deviation per day, max.	±60 s/month at 25 °C
Digital inputs	255 5 51.11.1 41.25 5
	14: Integrated
Number of digital inputs of which inputs usable for technological functions	14; Integrated
Source/sink input	6; HSC (High Speed Counting) Yes
Number of simultaneously controllable inputs	165
all mounting positions	
— up to 40 °C, max.	14
Input voltage	17
Rated value (DC)	24 V
• for signal "0"	5 V DC at 1 mA
• for signal "1"	15 V DC at 2.5 mA
Input delay (for rated value of input voltage)	10 1 20 01 210 1111
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
Cable length	@ 30 kHz
• shielded, max.	500 m; 50 m for technological functions
• unshielded, max.	300 m; for technological functions: No
Digital outputs	555, 101 tooliilologissi tallottollo. 110
	10: Palave
Number of digital outputs Switching capacity of the outputs	10; Relays
Switching capacity of the outputs • with resistive load, max.	2 A
with resistive load, max. on lamp load, max.	30 W with DC, 200 W with AC
Output delay with resistive load	OUT WILL DO, 200 W WILL AU
• "0" to "1", max.	10 ms; max.
• "1" to "0", max.	10 ms; max.
Relay outputs	
Number of relay outputs	10
Number of operating cycles, max.	mechanically 10 million, at rated load voltage 100 000
, 3	, , , , , , , , , , , , , , , , , , , ,

Cable length	
• shielded, max.	500 m
• unshielded, max.	150 m
Analog inputs	
Number of analog inputs	2
Input ranges	
Voltage	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	0
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
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
RJ 45 (Ethernet)	Yes
Number of ports	1
• integrated switch	No
Protocols	
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	
Transmission rate, max.	100 Mbit/s
Services	
— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected
— Isochronous mode	No
— IRT	No No
— PROFlenergy	No Voc
Prioritized startup Number of IO devices with prioritized startup	Yes
 Number of IO devices with prioritized startup, max. 	16
Number of connectable IO Devices, max.	16
Number of connectable IO Devices for RT,	16
max.	•
— of which in line, max.	
	16
Activation/deactivation of IO Devices	16 Yes
— Activation/deactivation of IO Devices— Number of IO Devices that can be	
 — Activation/deactivation of IO Devices — Number of IO Devices that can be simultaneously activated/deactivated, max. 	Yes 8
— Activation/deactivation of IO Devices— Number of IO Devices that can be	Yes 8 The minimum value of the update time also depends on the communication component set for PROFINET IO, on the number of IO
 — Activation/deactivation of IO Devices — Number of IO Devices that can be simultaneously activated/deactivated, max. — Updating time 	Yes 8 The minimum value of the update time also depends on the
 Activation/deactivation of IO Devices Number of IO Devices that can be simultaneously activated/deactivated, max. 	Yes 8 The minimum value of the update time also depends on the communication component set for PROFINET IO, on the number of IO
— Activation/deactivation of IO Devices — Number of IO Devices that can be simultaneously activated/deactivated, max. — Updating time PROFINET IO Device	Yes 8 The minimum value of the update time also depends on the communication component set for PROFINET IO, on the number of IO
— Activation/deactivation of IO Devices — Number of IO Devices that can be simultaneously activated/deactivated, max. — Updating time PROFINET IO Device Services	Yes 8 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.

- PROFerency - Shared device - Shared device - Number of IO Controllers with shared device, - Shared device - Number of IO Controllers with shared device, - Supports protocol for PROFINET IO - PROFISIAN - Shared Shared - Number of Research Shared - Number of sever infelaces - Shared Shared - Number of sever-defined server - Shared shared - Number of sever-defined server - Number of sever-defin	DDOFlonoray	Voo
	— PROFlenergy	Yes
max. Protocols Supports protocol for PROFINET IO PROFIEUS OPE UA PROFIEUS OPE UA PROFIEUS OPE UA Profieus SUPPORT SUPP OPE UA Profieus OPE UA Profieus OPE UA Profieus OPE UA Profieus OPE UA Server O		
Supports protocol for PROFINET IO PROFISUS PROFI	•	2
PROFilation PROFIL	Protocols	
PROFisals PROFisals PROFisals PROFisals PROFisals PROFisals PROFisals PROFisals PROFisals Protections (Ethernet) Protections (Ethernet) PROFID	Supports protocol for PROFINET IO	Yes
OPC UA Server **S.Interface Protocols (Ethernet) • CPCPIP • DHCP • DHCP • No • SNMP • LIDP Redundancy mode Media redundancy — MRP — MRP — MRP — MRP — Data length, max. • SPOP (PR-CTUG) • UDP • UDP • USB — Data length, max. • USB • Data length, max. • USB • DECIDE • USB • USB • DECIDE • USB • Work • No SMATIC communication • ST rouling Ves OPC UA • Runtime license required • OPC UA Server — Application authentication — Number of sessions, max. — Number of server methods, max. — Number of server methods, max. — Number of server interfaces, max. — N		
AS-Interface Protocols (Ethernet) **TOPIP** **OPICP** **OPICP** **ONIMP** **OCCP** **ONIMP** **OCCP** **ONIMP** **OCCP** **OCCP** **ONIMP** **OCCP** **ONIMP** **OCCP** **ONIMP** **OCCP** **ONIMP** **OCCP** **ONIMP**	PROFIBUS	Yes; CM 1243-5 (master) or CM 1242-5 (slave) required
Protocols (Ethernet)	OPC UA	Yes; OPC UA Server
OFFICP OFFI	AS-Interface	Yes; CM 1243-2 required
OHCP SNMP SNMP SNMP Ves	Protocols (Ethernet)	
SMMP ODP ILIDP Yes Peduadnary mode Media redundancy — MRPP MRPD No SIMATIC communication STrouting Open IE communication • TCP/RP — Data length, max. • ISD on-TCP (RFC1006) — Data length, max. • UDP — Data length, max. • UUP — Data length, max. • USP — Data length, max. • Samported • User-defined websites OPC UA • Runtime license required • OPC UA Server — Application authentication — Number of subscriptions per session, max. — Number of subscriptions per session, max. — Number of sessions, max. — Number of sever interfaces, max. — Number of server interfaces, max. — Number of serv		
ODP		
Redundancy mode Media redundancy - MRPP		
Redundancy mode Media redundancy		
Media redundancy		165
	·	
- MRPD Similar Communication Strouting Pers Yes Open E communication TOP/IP - Data length, max. SiSO-on-TCP (RFC1006) - Data length, max. UDP - Data length, max. Sisyo-on-TCP (RFC1006) - UDP - Data length, max. Sisyo-on-TCP (RFC1006) - USE on the sisyo-on-TCP (RFC1006) - USE on t	·	No
SIMATIC communication ST routing Pen IE communication TCP/IP Data length, max. ISO-on-TCP (RFC1006) Data length, max. ISO-on-TCP (RFC1006) Data length, max. UDP Yes Data length, max. UDP Yes Data length, max. UDP Yes Data length, max. Ves Ves Ves Ves Ves Ves Ves Ves Ves Ve		
Open IE communication • TCP/IP — Data length, max. • ISO-on-TCP (RFC1006) — Data length, max. • ISO-on-TCP (RFC1006) — Data length, max. • UDP — Data length, max. • UDP — Data length, max. • UDP — Data length, max. • UDP — Data length, max. • UDP — Data length, max. • UDP — Data length, max. • UDP — Data length, max. • UDP — Data length, max. • Supported • User-defined websites OPC UA • Runtime license required • OPC UA Server — Application authentication — Author of Server authentication — Number of sessions, max. — Number of subscriptions per session, max. — Number of sessions, max. — Publishing interval, min. — Publishing interval, min. — Publishing interval, min. — Number of server methods, max. — Number of server methods, max. — Number of server interfaces, max. — Number of server interfaces, max. PNumber of server interfaces, max. Publishing interval, min. — Search of Server interfaces, max. ONUMBER of Server interfaces, max. PNumber of codes for user-defined server interfaces, max. PNumber of server interfaces, max. Publisher of Server interfaces, max. Publisher of Server interfaces, max. Pommunication functions / header 7 communication functions / header 7 communication functions / header 8 ce online help (S7 communication, user data size) PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 reserved / 64 max; S7 Server dr / 10 max; Total Connections: 34 res		
Text communication Text communication Text communication Text communication Function For Communication Supported A Text communication Supported A Subyte Yes Subyte Yes Subyte Yes Subyte Yes 1 472 byte Yes 1 472 byte Yes Yes Po Data length, max. Yes Yes Yes Yes Yes Yes Po Data length, max. Yes Yes Yes Yes Yes Yes Yes Ye	S7 routing	Yes
- Data length, max. • ISO-on-TCP (RFC1006) - Data length, max. • UDP - Data length, max. • UPP - Data length, max. • Upp - Data length, max. • Supported • User-defined websites OPC UA • Runtime license required • OPC UA Server - Application authentication - Application authentication - Application authentication - Number of sessions, max Number of subscriptions per session, max Number of subscriptions per session, max Sampling interval, min Publishing interval, min Publishing interval, min Number of server methods, max Number of server interfaces, max Number of nonitored items, recommended max Number of server interfaces, max Number of hordes for user-defined server interfaces, max. Further protocols • MODBUS communication functions / header ST communication • supported • as client • User data per job, max. Number of connections • overall PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; ST Connections: 8 reserved / 14 max; Uppen User Connections: 8 reserved / 14 max; Open User Connections: 34 reserved / 64 max Test commissioning functions	Open IE communication	
ISO-on-TCP (RFC1006) Data length, max. Skbyte UDP Data length, max. Skbyte Data length, max. I 1472 byte Web server Supported User-defined websites Ves PCUA Runtime license required OPC UA Server Application authentication Available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Rsa15, Basic256Rsa256 User authentication Available security policies: None, Basic128Rsa15, Basic256Rsa15, Ba	• TCP/IP	Yes
■ Data length, max. ■ UDP — Data length, max. ■ USP — Data length, max. ■ Supported ■ User-defined websites ● OPC UA ■ Runtime license required ● OPC UA Server — Application authentication — Application authentication — Number of sessions, max. — Number of subscriptions per session, max. — Publishing interval, min. — Publishing interval, min. — Number of server methods, max. — Number of server interfaces, max. — Number of nodes for user-defined server interfaces, max. — Number of nodes for user-defined server interfaces, max. Further protocols ● MODBUS ▼es ■ OPC User at the mit of server interfaces, max. — Number of nondes for user-defined server interfaces, max. Equipation intervals in the communication functions / header ST communication functions / header ■ St communication functions / header ■ St communication functions / header ■ OPC Onnections: & reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; (Pope User Connections: 8 reserved / 14 max; (Pope User Connections: 34 reserved / 64 max max max). OPC User Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max Test commissioning functions Test commissioning functions Test commissioning functions Test commissioning functions ■ Ves ■ Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max Test commissioning functions		
UDP Data length, max. 1472 byte Web server supported User-defined websites Ves User-defined websites OPC UA Runtime license required OPC UA Server — Application authentication — Application authentication — Number of sessions, max. — Number of sessions, max. — Number of sessions per session, max. — Publishing interval, min. — Number of monitored items, recommended max. — Number of souser-defined server interfaces, max. — Number of nodes for user-defined server interfaces, max. — Number of nodes for user-defined server interfaces, max. — NoDBUS Yes Further protocols • MODBUS Ves as a client • Overall PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 8 max Server de/ 4 max; HMI Connections: 34 reserved / 64 max Reserved / 16 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max Reserved / 10 max; Total Connections: 34 reserved / 64 max		
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 Runtime license required OPC UA Server — Application authentication — User authentication — Number of sessions, max. — Number of subscriptions per session, max. — Sampling interval, min. — Publishing interval, min. — Number of server methods, max. — Number of server interfaces, max. — Number of ondes for user-defined server interfaces, max. — Number of ondes for user-defined server interfaces, max. — Romunication functions / header S7 communication ● supported ● as server ● as client ● User data per job, max. Number of connections ● overall PG Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 10 max; Total Connections: 34 reserved / 64 max Test commissioning functions Test commissioning functions 		165
Yes; data access (read, write, subscribe), method call, runtime license required — Application authentication — User authentication — Number of sessions, max. — Number of subscriptions per session, max. — Sampling interval, min. — Publishing interval, min. — Number of server methods, max. — Number of server interfaces, max. — Number of server interfaces, max. — Number of nodes for user-defined server interfaces, max. Further protocols • MODBUS Yes communication functions / header S7 communication • supported • as server • as client • User data per job, max. Number of connections • Overall PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 2 reserved / 10 max; Total Connections: 34 reserved / 64 max Test commissioning functions Test commissioning functions Yes Test commissioning functions Yes Yes Yes Overall Test commissioning functions Yes Yes Yes Overall Yes Overall PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 64 max Test commissioning functions Test commissioning functions		Yes; "Basic" license required
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	overall	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
Status/control	Test commissioning functions	
	Status/control	

Otation/acotanless sinkle	V
Status/control variableVariables	Yes
• variables Forcing	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
• Forcing	Yes
Diagnostic buffer	103
• 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	
Frequency measurement	Yes
controlled positioning	Yes
Number of position-controlled positioning axes, max.	8
Number of positioning axes via pulse-direction interface	Up to 4 with SB 1222
PID controller	Yes
Number of alarm inputs	4
Potential separation	
Potential separation digital inputs	
Potential separation digital inputs	500V AC for 1 minute
 between the channels, in groups of 	1
Potential separation digital outputs	
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	Yes
electricity acc. to IEC 61000-4-2	
 Test voltage at air discharge 	8 kV
Test voltage at contact discharge	6 kV
Interference immunity to cable-borne interference	
 Interference immunity on supply lines acc. to IEC 61000-4-4 	Yes
Interference immunity on signal cables acc. to IEC	Yes
61000-4-4	
Interference immunity against voltage surge	Voc
 Interference immunity on supply lines acc. to IEC 61000-4-5 	Yes
Interference immunity against conducted variable disturbance	e induced by high-frequency fields
Interference immunity against high-frequency	Yes
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	
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	
 Fall height, max. 	0.3 m; five times, in product package

Ambient temperature during eneration	
Ambient temperature during operation	00.00
• min.	-20 °C
• max.	60 °C; Number of simultaneously activated inputs or outputs 7 or 5 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 14 or 10 at 55 °C horizontal or 45 °C vertical
 horizontal installation, min. 	-20 °C
 horizontal installation, max. 	60 °C
 vertical installation, min. 	-20 °C
 vertical installation, max. 	50 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	
Operation, min.	795 hPa
Operation, max.	1 080 hPa
Storage/transport, min.	660 hPa
Storage/transport, max.	1 080 hPa
Altitude during operation relating to sea level	. 000 till u
Installation altitude, min.	-1 000 m
 Installation altitude, min. Installation altitude, max. 	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
	5 000 m, restrictions for installation altitudes > 2 000 m, see manual
Relative humidity	05.0/
Operation, max.	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
configuration / header	
configuration / programming / header	
Programming language	
— LAD	Yes
— FBD	Yes
— SCL	Yes
	160
Know-how protection	Voc
User program protection/password protection Convergetories	Yes
Copy protection Plantage to the reserved	Yes
Block protection	Yes
Access protection	
 protection of confidential configuration data 	Yes
 Protection level: Write protection 	Yes
 Protection level: Read/write protection 	Yes
 Protection level: Complete protection 	Yes
programming / cycle time monitoring / header	
adjustable	Yes
Dimensions	
Width	110 mm
	100 mm
Height	
Depth	75 mm
Weights	
Weight, approx.	435 g
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