## SIEMENS

## Data sheet

## 6ES7211-1AE40-0XB0



SIMATIC S7-1200, CPU 1211C, compact CPU, DC/DC/DC, onboard I/O: 6 DI 24 V DC; 4 DO 24 V DC; 2 AI 0-10 V DC, Power supply: DC 20.4-28.8V DC, Program/data memory 50 KB

Figure	simi	ar
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General information	
Product type designation	CPU 1211C DC/DC/DC
Firmware version	V4.5
Engineering with	
<ul> <li>Programming package</li> </ul>	STEP 7 V17 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+	
Rated value (DC)	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)	300 mA; CPU only
Current consumption, max.	900 mA; CPU with all expansion modules
Inrush current, max.	12 A; at 28.8 V DC
l²t	0.5 A <sup>2</sup> ·s
Output current	
for backplane bus (5 V DC), max.	750 mA; Max. 5 V DC for CM
Encoder supply	
24 V encoder supply	
• 24 V	L+ minus 4 V DC min.
Power loss	
Power loss, typ.	8 W
Memory	
Work memory	
<ul> <li>integrated</li> </ul>	50 kbyte
expandable	No
Load memory	
<ul> <li>integrated</li> </ul>	1 Mbyte
<ul> <li>Plug-in (SIMATIC Memory Card), max.</li> </ul>	with SIMATIC memory card
Backup	
• present	Yes
<ul> <li>maintenance-free</li> </ul>	Yes
<ul> <li>without battery</li> </ul>	Yes
CPU processing times	

for bit operations, typ.	0.08 µs; / instruction
for word operations, typ.	1.7 μs; / instruction
for floating point arithmetic, typ.	2.3 $\mu$ s; / 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.	4 kbyte; Size of bit memory address area
Local data	A Royle, Size of bit memory address area
• 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 communication modules, 1 signal board
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	6; Integrated
of which inputs usable for technological functions	6; HSC (High Speed Counting)
Source/sink input	Yes
Number of simultaneously controllable inputs all mounting positions	
— up to 40 °C, max.	6
Input voltage	
Rated value (DC)	24 V
• for signal "0"	5 V DC at 1 mA
● for signal "1"	15 V DC at 2.5 mA
Input current	
• for signal "1", typ.	4 mA; nominal
Input delay (for rated value of input voltage) for standard inputs	
— parameterizable	0.1 / 0.2 / 0.4 / 0.8 / 1.6 / 3.2 / 6.4 / 10.0 / 12.8 / 20.0 µs; 0.05 / 0.1 / 0.2 /
parameterizable	0.4 / 0.8 / 1.6 / 3.2 / 6.4 / 10.0 / 12.8 / 20.0 ms
— at "0" to "1", min.	0.2 ms
— at "0" to "1", max.	12.8 ms
for interrupt inputs	N/
— parameterizable	Yes
for technological functions — parameterizable	Single phase : 3 @ 100 kHz, differential: 3 @ 80 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	4
<ul> <li>of which high-speed outputs</li> </ul>	4; 100 kHz Pulse Train Output
Limitation of inductive shutdown voltage to	L+ (-48 V)
Switching capacity of the outputs	
with resistive load, max.	0.5 A
on lamp load, max.	5 W
<ul><li>Output voltage</li><li>for signal "0", max.</li></ul>	0.1 V; with 10 kOhm load
<ul> <li>for signal "1", min.</li> </ul>	20 V

Output current	
for signal "1" rated value	0.5 A
<ul> <li>for signal "0" residual current, max.</li> </ul>	0.1 mA
Output delay with resistive load	0.111/4
• "0" to "1", max.	1 µs
• "1" to "0", max.	5 µs
Switching frequency	
<ul> <li>of the pulse outputs, with resistive load, max.</li> </ul>	100 kHz
Relay outputs	
Number of relay outputs	0
Cable length	
<ul> <li>shielded, max.</li> </ul>	500 m
<ul> <li>unshielded, max.</li> </ul>	150 m
Analog inputs	
Number of analog inputs	2
Input ranges	
Voltage	Yes
Input ranges (rated values), voltages	
• 0 to +10 V	Yes
— Input resistance (0 to 10 V)	≥100k ohms
Cable length	
<ul> <li>shielded, max.</li> </ul>	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	
<ul> <li>Resolution with overrange (bit including sign), max.</li> </ul>	10 bit
<ul> <li>Integration time, parameterizable</li> </ul>	Yes
<ul> <li>Conversion time (per channel)</li> </ul>	625 µs
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
• 2-wire sensor 1. Interface	Yes
	Yes PROFINET
1. Interface	
1. Interface Interface type Isolated automatic detection of transmission rate	PROFINET
1. Interface Interface type Isolated automatic detection of transmission rate Autonegotiation	PROFINET Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing	PROFINET Yes Yes
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1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)	PROFINET Yes Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports	PROFINET Yes Yes Yes Yes 1
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch	PROFINET Yes Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols	PROFINET Yes Yes Yes Yes 1 No
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller	PROFINET Yes Yes Yes Yes 1 No Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device	PROFINET Yes Yes Yes Yes 1 No Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • SIMATIC communication	PROFINET Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication	PROFINET Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes Yes; Optionally also encrypted
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server	PROFINET Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes Yes; Optionally also encrypted Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Web server         • Media redundancy	PROFINET Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes Yes; Optionally also encrypted
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1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services	PROFINET Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes; Optionally also encrypted Yes No
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         PG/OP communication	PROFINET Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes Yes; Optionally also encrypted Yes No Yes; optionally also encrypted Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         — PG/OP communication         — PG/OP communication	PROFINET Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         — PG/OP communication         — IRT         — PROFIenergy         — Prioritized startup	PROFINET Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         — PG/OP communication         — IRT         — PROFIenergy         — Prioritized startup         — Number of IO devices with prioritized startup,	PROFINET Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes; Optionally also encrypted Yes No Yes; oncryption with TLS V1.3 pre-selected No No
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         — PG/OP communication         — IRT         — PROFIenergy         — Prioritized startup         — Number of IO devices with prioritized startup, max.	PROFINET Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         — PG/OP communication         — IRT         — PROFIenergy         — Prioritized startup         — Number of IO devices with prioritized startup, max.         — Number of connectable IO Devices, max.	PROFINET Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autorossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         - PG/OP communication         - IRT         - PROFIenergy         - ProFienergy         - Prioritized startup         - Number of IO devices with prioritized startup, max.         - Number of connectable IO Devices, max.         - Number of connectable IO Devices for RT,	PROFINET Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
1. Interface         Interface type         Isolated         automatic detection of transmission rate         Autonegotiation         Autocrossing         Interface types         • RJ 45 (Ethernet)         • Number of ports         • integrated switch         Protocols         • PROFINET IO Controller         • PROFINET IO Device         • SIMATIC communication         • Open IE communication         • Web server         • Media redundancy         PROFINET IO Controller         • Transmission rate, max.         Services         — PG/OP communication         — IRT         — PROFIenergy         — Prioritized startup         — Number of IO devices with prioritized startup, max.         — Number of connectable IO Devices, max.	PROFINET Yes Yes Yes Yes Yes Yes Yes Yes Yes; Optionally also encrypted Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No No No No No No Yes 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> </ul>	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.
PROFINET IO Device	
Services	
— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected
— Isochronous mode	No No
— IRT — PROFlenergy	Yes
— Shared device	Yes
— Number of IO Controllers with shared device.	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 Redundancy mode	Yes
Media redundancy	
— MRP	No
— MRPD	No
SIMATIC communication	
S7 routing	Yes
Open IE communication	
• TCP/IP	Yes
— Data length, max.	8 kbyte
<ul> <li>— several passive connections per port,</li> </ul>	Yes
supported • ISO-on-TCP (RFC1006)	Yes
— Data length, max.	8 kbyte
• UDP	Yes
— Data length, max.	1 472 byte
Web server	
supported	Yes
User-defined websites	Yes
OPC UA	
Runtime license required	Yes; "Basic" license required
OPC UA Server     Application outbontiontion	Yes; Data access (read, write, subscribe), runtime license required
<ul> <li>Application authentication</li> </ul>	Available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Sha256
— User authentication	"anonymous" or by user name & password
— Number of sessions, max.	10
<ul> <li>— Number of subscriptions per session, max.</li> </ul>	5
— Sampling interval, min.	100 ms
— Publishing interval, min.	200 ms
— Number of server methods, max.	20
<ul> <li>number of monitored items, recommended max.</li> </ul>	1 000
— 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	

<ul> <li>supported</li> </ul>	Yes
• as server	Yes
<ul> <li>as client</li> </ul>	Yes
<ul> <li>User data per job, max.</li> </ul>	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	
<ul> <li>Status/control variable</li> </ul>	Yes
Variables	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Forcing	
Forcing	Yes
Diagnostic buffer	
• present	Yes
Traces	
<ul> <li>Number of configurable Traces</li> </ul>	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	4; With integrated outputs
PID controller	Yes
Number of alarm inputs	4
Number of pulse outputs	4
Limit frequency (pulse)	100 kHz
Potential separation	
Potential separation digital inputs     Potential separation digital inputs	Ne
	No 1
between the channels, in groups of	1
Potential separation digital outputs     Potential separation digital outputs	Yes
<ul> <li>between the channels</li> </ul>	No
between the channels, in groups of	1
	1
EMC	
Interference immunity against discharge of static electricity	Vec
<ul> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2</li> </ul>	Yes
— Test voltage at air discharge	8 kV
— Test voltage at all discharge	6 kV
Interference immunity to cable-borne interference	
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	Yes
<ul> <li>Interference immunity on supply lines acc. to IEC 61000-4-5</li> </ul>	
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	
<ul> <li>Limit class A, for use in industrial areas</li> </ul>	
	Yes; Group 1
<ul> <li>Limit class B, for use in residential areas</li> </ul>	Yes; Group 1 Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011

P degree of protection     JP20       Standards, approvals, certificates     Ves       C mark     Ves       UL, approval     Ves       CLus     Yes       FM approval     Ves       CAM (tomerty C-TCK)     Yes       Marine approval     Yes       Ambient conditions     Yes       Free fall     0.3 m; five times, in product package       Ambient conditions     -0 °C       • min.     -0 °C       • max.     0.0 °C       • ontocontal installation, max.     -0 °C       • ontocontal installation, max.     50 °C       * Ambient temperature during storage/transport max.     50 °C       * min.     -40 °C       • ontocontal installation, max.     50 °C       • Ambient temperature during operation ontallow     -100 m       • opperation max.     1080 Pa       • Stangatemaport, min.     5000 m; Restrictions for installation atitudes > 2000 m, see manual	Degree and class of protection	
Standtrads approvals, certificates CE mark Us approval CF mark Us approval Cf mark Us approval Cf approve Cf		IP20
CE mark     Yes       UL approval     Yes       RH approval     Yes       RH approval     Yes       RAmbert Experional     Yes       Marine approval     Yes       Ambert Experional     Yes       Marine approval     Yes       Ambert Experional     Yes       Ambert Experional Installation, max.     60 °C       • entrical installation, max.     60 °C       • entrical installation, max.     70 °C       #Ambert Experional     40 °C       • max.     70 °C       # providing georeation, max.     1000 Pa       • Storage/Franceport, mix.     1000 Pa       • Storage/Franceport, max.     1000 m       • Installation attrution, max.     500 00m, Restrictions for installation attrutions > 2000 m, see manual       Fealure Units of the down attrution for the Storage of an actrutions for installation attrutions > 2000 m, see manual		
UL aproval         Yes           CAU un         Yes           FM approval         Yes           FM approval         Yes           Ambient conditions         Yes           Ambient conditions         Yes           Ambient conditions         Order Second Secon		Yes
cLuin         Yes           FM approval         Yes           RCM (formerly C-TICK)         Yes           Ambient emperiod         Yes           Ambient emperiod         Yes           Ambient emperiod         Yes           Ambient emperiod         Son (five times, in product package           Ambient emperiative during operation         Son (five times, in product package           Ambient emperature during operation         Son (five times, in product package           Ambient emperature during operation         Son (five times, in product package           Ambient emperature during storage/hanesportation         Son (five times, in product package           Ambient temperature during storage/hanesportation         Son (five times, in product package           Ambient temperature during storage/hanesportation         Son (five times, in product package)           Ambient temperature during storage/hanesport.         Son (five times, in product package)           Ambient temperature during storage/hanesport.         Son (five times, in product package)           Ambient temperature during storage/hanesport.         Son (five times, in product package)           Ambient temperature during storage/hanesport.         Son (five times, in product package)           Ambient temperature during storage during storage)         Son (five times, in product package)           Ambien		
RCM (formerly C-TICK)     Yes       K3 captroval     Yes       Ambient conditions		Yes
KC approval     Yes       Ambient conditions     Yes       Ambient conditions     • Fall height, max.       • Fall height, max.     0.3 m; five times, in product package       Ambient temperature during operation     • 0° °C       • min.     - 20 °C       • horizontal installation, max.     60 °C       • horizontal installation, max.     60 °C       • vertical installation, max.     50 °C       • vertical installation, max.     50 °C       • vertical installation, max.     100 °C       • operation, max.     100 hPa       • Operation, max.     100 hPa       • Storage/fransport, min.     -1000 m       • Installation attitude, max.     5000 hPa       • Installation attitude, max.     5000 m; Restrictions for installation attitudes > 2 000 m, see manual       • Relative humidity     5000 m; Restrictions for installation attitudes > 2 000 m, see manual       • Relative humidity     5000 m; Restrictions for installation attitudes > 2 000 m, see manual       • Operation, max.     90 °C       • Operation, max.     90 °C       • Vibrations     2 g (m/s <sup>3</sup> ) wall mounting, 1 g (m/s <sup>3</sup> ) DIN rall       • Operation, itsid according to IEC 6006	FM approval	Yes
Mathematic conditions         Yes           Ambient temperature during operation         0.3 m. five times, in product package           Ambient temperature during operation         -20 °C           • min.         -20 °C           • horizontal installation, min.         -20 °C           • vertical installation, min.         -20 °C           • vertical installation, max.         50 °C           Ambient temperature during storage/transportation         -           • min.         -20 °C           • vertical installation, min.         70 °C           • Operation, min.         70 °C           • Operation, min.         1080 hPa           • Storage/transport, max.         1080 hPa           • Althute during operation relating to sea level         -           • Installation attitude, min.         -100 m           • Installation attitude, min.         50 °C           • Operation, max.	RCM (formerly C-TICK)	Yes
Ambient conditions         Free fail         • Fail height, max.       0.3 m; five times, in product package         Ambient temperature during operation         • min.       -20 °C         • horizontal installation, min.       -20 °C         • horizontal installation, max.       60 °C         • vertical installation, max.       60 °C         • vertical installation, max.       50 °C         • vertical installation, max.       50 °C         Ambient temperature during storage/transportation       -40 °C         • min.       -40 °C         • operation, max.       1080 Pa         • Operation, max.       1080 Pa         • Storage/transport, min.       60 0R Pa         • Storage/transport, max.       1080 Pa         • Storage/transport, max.       1080 Pa         • Storage/transport, max.       1080 Pa         • Storage/transport, max.       50 000 m; Restrictions for installation altitudes > 2 000 m, see manual         • Nutration resistance during operation acc. to EC       600 Pa         • Operation, restel according to EC 60068-2-6       Yes         • Storage/transport, max.       50 000 m; Restrictions for installation altitudes > 2 000 m, see manual         • Vibration       Stodo me         • Operation, restal accor	KC approval	Yes
Free fail     0.3 m, five times, in product package       Ambient temperature during operation     -20 °C       • max.     60 °C       • horizontal installation, min.     -20 °C       • horizontal installation, max.     60 °C       • wertical installation, max.     60 °C       • wertical installation, max.     60 °C       • wertical installation, max.     50 °C       Ambient temperature during storage/transportation	Marine approval	Yes
• Fail height, max.       0.3 m; five times, in product package         Ambient tamperature during operation       -20 °C         • min.       60 °C         • horizontal installation, min.       -20 °C         • brizontal installation, max.       60 °C         • errical installation, max.       70 °C         • wertical installation, max.       70 °C         • Operation, max.       1080 hPa         • Operation, max.       1080 hPa         • Storage/transport, max.       1080 hPa         • Storage/transport, max.       1080 hPa         • Allitude during operation relating to sea level       • 1000 m         • Installation altitude, max.       5000 m; Restrictions for installation altitudes > 2 000 m, see manual         Relative huminity       • Operation, rested according to IEC 60068-2-6       Yes         • Oberation, rested according to IEC 60068-2-6       Yes         • Storage/transport, max.       95 %; no condensation         Yutration       • Operation, rested according to IEC 60068-2-6       Yes         • Operation, rested according to IEC 60068-2-6 <td>Ambient conditions</td> <td></td>	Ambient conditions	
Antional temperature during operation         -20 °C           • max.         60 °C           • notizontal installation, min.         -20 °C           • horizontal installation, max.         60 °C           • vertical installation, max.         60 °C           • vertical installation, max.         50 °C           • vertical installation, max.         70 °C           • vertical installation, max.         70 °C           • operation, min.         795 hPa           • Operation, min.         795 hPa           • Operation, min.         1080 hPa           • Storage/transport, max.         600 hPa           • Storage/transport, max.         5000 m, Restrictions for installation altitudes > 2 000 m, see manual           Relative humidity         • Operation, max.         5000 m, Restrictions for installation altitudes > 2 000 m, see manual           Versition resistance during operation acc. to IEC         60% ; no condensation           Vibrations         2 g (m/s <sup>*</sup> ) wall mounting, 1 g (m/s <sup>*</sup> ) DIN rail           • Operation, max.         5002 in Condensation           • Storage/transport, molecolon-         \$ 22 ( m/s <sup>*</sup> ) wall mou	Free fall	
• min.       -20 °C         • max.       60 °C         • horizontal installation, min.       -20 °C         • vertical installation, max.       60 °C         • min.       -20 °C         • wertical installation, max.       60 °C         • Operation, max.       1000 hPa         • Operation, max.       1080 hPa         • Storage/fransport, max.       1080 hPa         • Storage/fransport, max.       60 00 m         • Installation altitude, max.       5 000 m; Restrictions for installation altitudes > 2 000 m, see manual         Relative humidity       -9 operation altitude, max.         • Operation, max.       5 000 m; Restrictions for installation altitudes > 2 000 m, see manual         Relative humidity       -9 operation altitude, max.         • Operation, max.       5 500 m; nocondensation         Vibrations       -2 g (m/s <sup>n</sup> ) wall mounting, 1 g (m/s <sup>n</sup> ) DIN rail         • Operation, max.       5 000 m; Restrictions for installation altitudes > 2 000 m; Restrictions for installation altitudes > 2 000 m; Restrictions for installation altitudes > 2 000 m; Restrictions for installation altit		0.3 m; five times, in product package
• max.60 °C• horizontal installation, max.20 °C• vertical installation, max.60 °C• vertical installation, max.20 °C• vertical installation, max.60 °CAmbient temperature during storage/transportation-20 °CAmbient temperature during storage/transportation-40 °C• min40 °C• min40 °C• Operation, min.795 hPa• Operation, min.1060 hPa• Storage/transport, min.600 hPa• Storage/transport, min.600 hPa• Storage/transport, max.1080 hPa• Nattured euting operation relating to sea level		
<ul> <li>horizontal installation, min.</li> <li>-20 ° C</li> <li>vertical installation, max.</li> <li>60 ° C</li> <li>vertical installation, max.</li> <li>20 ° C</li> <li>vertical installation, max.</li> <li>60 ° C</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>-40 ° C</li> <li>read.</li> <li>- 0 peration, max.</li> <li>- 0 peration relating to sea level</li> <li>- Installation altitude, max.</li> <li>- 1 000 m</li> <li>- Installation altitude, max.</li> <li>- 1 000 m</li> <li>- Installation altitude, max.</li> <li>- 0 000 m</li> <li>- 0 peration, tested according to IEC 60068-2-6</li> <li>- 0 peration, tested according to IEC 60068-2-6</li> <li>- 0 peration, tested according to IEC 60068-2-6</li> <li>- 0 peration, tested according to IEC 60068-2-7</li> <li>- Ves; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms</li> <li>- 0 perations</li> <li> LAD</li> <li> ED</li> <li></li></ul>		
horizontal installation, max.     20 °C     vertical installation, max.     20 °C     vertical installation, max.     20 °C     vertical installation, max.     So °C     Ambient temperature during storage/transportation     min.     vitical installation, max.     70 °C     Ar pressure acc. to IEC 60068-2-13     Operation, min.     Operation, max.     1080 hPa     Storage/transport, max.     1080 hPa     Storage/transport, max.     1080 hPa     Storage/transport, max.     1080 hPa     Operation, max.     Storage/transport, max.     Storage/transport, max.     Storage/transport, max.     Storage/transport, max.     Storage/transport, max.     Operation, max.     Storage/transport, tester/transport, max.     Storage/transport, tester/transport, m		
vertical installation, min. 50 °C     vertical installation, max. 50 °C     min. 70 °C     min. 70 °C     Air pressure acc. to IEC 60068-2-13     • Operation, min. 600 Pa     • Operation, max. 1080 Pa     • Storage/transport, min. 600 Pa     • Installation altitude, min. 500 °C     installation altitude, min. 500 °C     installation altitude, min. 5000 °C     installation altitude, max. 5000 °C     installation resistance during operation acc. to IEC     instal		
• vertical installation, max.     50 °C       Annicent temperature during storage/transportation     -40 °C       • min.     -40 °C       • max.     70°C       Arr pressure acc. to IEC 6008-2-13     -       • Operation, min.     1080 hPa       • Storage/transport, min.     600 hPa       • Storage/transport, min.     600 hPa       • Installation altitude, min.     -1 000 m       • Installation altitude, max.     50 %n condensation       • Operation, max.     95 %; no condensation       • Operation, testing to sea level     -       • Installation altitude, max.     50 %n condensation       • Operation, testing to sea level     -       • Operation, testing to sea level     -       • Operation, testing to sea level     -       • Operation, tested according to IEC 60068-2-5     Yes       • Operation, tested according to IEC 60068-2-6     Yes       • Operation, tested according to IEC 60068-2-7     Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms       • Pollutant concentrations     -       • Configuration / header     -       • operation/ programming / header     -       • Programming language     -       • - BD     Yes       • FBD     Yes       • Protection level: Kadivite protection		
Ambient temperature during storage/transportation       -40 °C         • min.       -40 °C         • max.       70 °C         Air pressure ace: to IEC 60068-2-13       • Operation, min.         • Operation, max.       1080 hPa         • Storage/transport, min.       660 hPa         • Storage/transport, max.       1080 hPa         • Installation altitude, min.       -1 000 m         • Installation altitude, max.       5 000 m; Restrictions for installation altitudes > 2 000 m, see manual         Relative humidity       • Operation, max.         • Operation, max.       95 %; no condensation         Vibration resistance during operation acc. to IEC       2 g (m/s <sup>3</sup> ) wall mounting, 1 g (m/s <sup>3</sup> ) DIN rail         • Operation, tested according to IEC 60068-2-6       Yes         Shock testing       • Ves         • tested according to IEC 60068-2-27       Yes         • Storage/mming to Placed       Yes         • obgration, fast.       502 : < 0.5 pm; H2S: < 0.1 pm; RH < 60% condensation-free		
<ul> <li>min.</li> <li>40 °C.</li> <li>max.</li> <li>70 °C</li> <li>Arr pressure acc. to IEC 60068-2-13</li> <li>Operation, min.</li> <li>Operation, max.</li> <li>Storage/transport, max.</li> <li>1080 hPa</li> <li>Storage/transport, max.</li> <li>1080 hPa</li> <li>Storage/transport, max.</li> <li>1080 hPa</li> <li>Altitude during operation relating to sea level</li> <li>Installation altitude, max.</li> <li>5000 m; Restrictions for installation altitudes &gt; 2 000 m, see manual</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>95 %; no condensation</li> <li>Vibration resistance during operation relating to sea level</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>Yes</li> <li>Shock testing</li> <li>Operation, tested according to IEC 60068-2-6</li> <li>Yes</li> <li>Shock testing</li> <li>Stock testing</li> <li>Stoc 2 at RH - 60% without condensation</li> <li>S02: &lt; 0.5 ppm; H2S: &lt; 0.1 ppm; RH &lt; 60% condensation-free</li> <li>configuration / programming / header</li> <li>Protection</li> <li>Protection</li> <li>Yes</li> <li>Shock top rotection/password protection</li> <li>Yes</li> <li>Access protection</li> <li>Yes</li> <li>Protection level: Write protection</li> <li>Yes</li> <li>Protection level: Complete protection<td></td><td></td></li></ul>		
Air pressure acc. to IEC 60068-2-13       795 hPa         • Operation, min.       795 hPa         • Operation, min.       1080 hPa         • Storage/transport, max.       1080 hPa         • Installation altitude, min.       -1000 m         • Installation altitude, max.       5 000 m; Restrictions for installation altitudes > 2 000 m, see manual         Relative humidity       -         • Operation, max.       95 %; no condensation         Yubrations       -         • Vibration resistance during operation acc. to IEC 60068-2-6       Yes         • Operation, tested according to IEC 60068-2-6       Yes         • Stock testing       -         • tosted according to IEC 60068-2-7       Yes         • tosted according to IEC 60068-2-8       Yes         • Stock testing       -         • tosted according to IEC 60068-2-1       Yes         • Stock testing       -         • tosted according to IEC 60068-2-27       Yes         • Stock testing       -         • Differential configuration		-40 °C
Operation, min. 795 hPa     Operation, max. 1080 hPa     Storage/transport, min. 600 hPa     Storage/transport, max. 1080 hPa     Altitude during operation relating to sea level     Installation altitude, min. 1000 m     Installation altitude, max. 5000 m; Restrictions for installation altitudes > 2 000 m, see manual     Relative humidity     Operation, max. 95 %; no condensation     Vibration resistance during operation acc. to IEC     Storage/transport, max. 95 %; no condensation     Vibration resistance during operation acc. to IEC     Stock testing     Vibration tested according to IEC 60068-2-6     Ves     Stock testing     Ves     Operation, to IEC 60068-2-6     Ves     Stock testing     Ves     Operation, the der     Configuration / the ader     Operation, restrictions     Vibration resistance during operation acc. to IEC     Stock testing     Ves     Ves     Stock testing     Ves	• max.	70 °C
Operation, max.     1080 hPa     Storage/ransport, min.     660 hPa     Storage/ransport, max.     1080 hPa     Storage/ransport, max.     1080 hPa     Altitude during operation relating to sea level     Installation altitude, min.     Installation altitude, max.     Storage/ransport, max.     1000 m     Installation altitude, max.     Storage/ransport, max.     Storage/ransport, max.     Storage/ransport, max.     Installation altitude, max.     Installation altitude, max.     Storage/ransport,	Air pressure acc. to IEC 60068-2-13	
Storage/transport, min.     Storage/transport, max.     1080 hPa     Altitude during operation relating to sea level     Installation altitude, min.     Installation altitude, max.     S 000 m; Restrictions for installation altitudes > 2 000 m, see manual     Relative humidity     Operation, max.     95 %; no condensation     Vibration     Vibration resistance during operation acc. to IEC     GOX068-2-6     Operation, tested according to IEC 60068-2-6     Yes     Shock testing     Vibration resistance during operation acc. to IEC     GOX068-2-6     Operation, tested according to IEC 60068-2-6     Yes     Shock testing     Operation, tested according to IEC 60068-2-7     Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak     value), duration 11 ms     Pollutant concentrations     Oold at RH < 60% without condensation     SO2: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free     Configuration / header     Pogramming language     - LAD                  Yes     Know-how protection	•	
+ Storage/transport, max.     1 080 hPa       Altitude during operation relating to sea level     - <ul> <li>Installation altitude, min.</li> <li>1 000 m; Restrictions for installation altitudes &gt; 2 000 m, see manual</li> </ul> Relative humidity     -     - <ul> <li>Operation, max.</li> <li>95 %; no condensation</li> </ul> Vibration resistance during operation acc. to IEC 60068-2-6         • Operation, tested according to IEC 60068-2-6         Yes         Shock testing        • elsted according to IEC 60068-2-7        • elsted according to IEC 60068-2-7       • elsted according to IEC 60068-2-7       • Ves; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms       Pollutant concentrations        • OSO2 at RN < 60% without condensation		
Altitude during operation relating to sea level       - 1 000 m         • Installation altitude, mix.       5 000 m; Restrictions for installation altitudes > 2 000 m, see manual         Relative humidity       95 %; no condensation         • Operation, max.       95 %; no condensation         Vibration resistance during operation acc. to IEC 60068-2-6       2 g (m/s <sup>2</sup> ) wall mounting. 1 g (m/s <sup>2</sup> ) DIN rail         • Operation, tested according to IEC 60068-2-6       Yes         Shock testing       • tested according to IEC 60068-2-7         • tested according to IEC 60068-2-77       Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms         Pollutant concentrations       • 502: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free		
• Installation altitude, min.         -1 000 m           • Installation altitude, max.         5 000 m; Restrictions for installation altitudes > 2 000 m, see manual           Relative humidity         • Operation, max.         95 %; no condensation           • Vibration resistance during operation acc. to IEC 60068-2-6         2 g (m/s <sup>2</sup> ) wall mounting, 1 g (m/s <sup>2</sup> ) DIN rail           • Operation, tested according to IEC 60068-2-6         Yes           Shock testing         • tested according to IEC 60068-2-7           • tested according to IEC 60068-2-7         Yes           Pollutant concentrations         • SO2 at RH < 60% without condensation		1 080 hPa
• Installation altitude, max.       5 000 m; Restrictions for installation altitudes > 2 000 m, see manual         Relative humidity       • Operation, max.         • Operation, max.       95 %; no condensation         • Vibration resistance during operation acc. to IEC 60068-2-6       2 g (m/s <sup>a</sup> ) wall mounting, 1 g (m/s <sup>a</sup> ) DIN rail         • Operation, tested according to IEC 60068-2-6       Yes         Shock testing       • ested according to IEC 60068-2-7         • 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       • 02 et RH < 60% without condensation		1 000 m
Relative humidity       95 %; no condensation         Vibration max.       95 %; no condensation         Vibration resistance during operation acc. to IEC 60068-2-6       2 g (m/s <sup>3</sup> ) wall mounting, 1 g (m/s <sup>3</sup> ) DIN rail         • Operation, tested according to IEC 60068-2-6       Yes         Shock testing       •         • tested according to IEC 60068-2-6       Yes         Shock testing       •         • tested according to IEC 60068-2-7       Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms         Pollutant concentrations       502: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free		
• Operation, max.       95 %; no condensation         Vibration resistance during operation acc. to IEC 60068-2-6       2 g (m/s <sup>2</sup> ) wall mounting, 1 g (m/s <sup>2</sup> ) DIN rail         • Operation, tested according to IEC 60068-2-6       Yes         Shock testing       • (ested according to IEC 60068-2-27         • (ested 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		
Vibrations         • Vibration resistance during operation acc. to IEC 60068-2-6       2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail 60068-2-6         • Operation, tested according to IEC 60068-2-6       Yes         Shock testing       • tested according to IEC 60068-2-27         • tested according to IEC 60068-2-27       Yes         Pollutant concentrations       • SO2 at RH < 60% without condensation	-	95 %: no condensation
60068-2-6     Yes       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		
• 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		2 g (m/s <sup>2</sup> ) wall mounting, 1 g (m/s <sup>2</sup> ) DIN rail
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		
• 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		Yes
value), duration 11 ms         Pollutant concentrations         • SO2 at RH < 60% without condensation		Voc: IEC 69. Part 2.27 half since strength of the shock 15 g (pack
Pollutant concentrations       S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free	• lested according to IEC 60008-2-27	
Onfiguration / header         Configuration / programming / header         Programming language       -         -       LAD       Yes         -       FBD       Yes         -       SCL       Yes         -       SCL       Yes         -       SCL       Yes         Opy protection       Yes         •       User program protection/password protection       Yes         •       Copy protection       Yes         •       Block protection       Yes         •       Block protection       Yes         •       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       90 mm       100 mm       100 mm	Pollutant concentrations	
configuration / programming / header         Programming language         - LAD       Yes         - FBD       Yes         - SCL       Yes         Know-how protection       Yes         • User program protection/password protection       Yes         • Copy protection       Yes         • Block protection       Yes         • Protection of confidential configuration data       Yes         • Protection level: Write protection       Yes         • Protection level: Read/write protection       Yes         • Protection level: Complete protection       Yes         • Drotection level: Complete protection       Yes         • Protection level: Complete protection       Yes         • Dimensions       Yes         • Width       90 mm         + Height       100 mm	<ul> <li>SO2 at RH &lt; 60% without condensation</li> </ul>	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
configuration / programming / header         Programming language         - LAD       Yes         - FBD       Yes         - SCL       Yes         Know-how protection       Yes         • User program protection/password protection       Yes         • Copy protection       Yes         • Block protection       Yes         • Protection of confidential configuration data       Yes         • Protection level: Write protection       Yes         • Protection level: Read/write protection       Yes         • Protection level: Complete protection       Yes         • Drotection level: Complete protection       Yes         • Protection level: Complete protection       Yes         • Dimensions       Yes         • Width       90 mm         + Height       100 mm	configuration / header	
Programming language- LADYes- FBDYes- SCLYesKnow-how protectionYes• User program protection/password protectionYes• User program protection/password protectionYes• Block protectionYes• Block protectionYes• Protection of confidential configuration dataYes• Protection level: Write protectionYes• Protection level: Write protectionYes• Protection level: Complete protectionYes• Protection level: Complete protectionYes• Drotection level: Complete protectionYes• AdjustableYesVidth90 mmHeight100 mm		
FBDYes SCLYesKnow-how protectionYes• User program protection/password protectionYes• Copy protectionYes• Block protectionYes• Block protectionYes• Protection of confidential configuration dataYes• Protection level: Write protectionYes• Protection level: Write protectionYes• Protection level: Complete protectionYes• Protection level: Complete protectionYes• Protection level: Complete protectionYes• DimensionsYesWidth90 mmHeight100 mm		
SCLYesKnow-how protectionYes• User program protection/password protectionYes• Copy protectionYes• Block protectionYes• Access protectionYes• protection of confidential configuration dataYes• Protection level: Write protectionYes• Protection level: Write protectionYes• Protection level: Complete protectionYes• Protection level: Complete protectionYesprogramming / cycle time monitoring / headerYes• adjustableYesDimensionsYesWidth Height90 mmHeight100 mm	— LAD	Yes
Know-how protection       Yes         • User program protection/password protection       Yes         • Copy protection       Yes         • Block protection       Yes         • Access protection       Yes         • protection of confidential configuration data       Yes         • Protection level: Write protection       Yes         • Protection level: Write protection       Yes         • Protection level: Read/write protection       Yes         • Protection level: Complete protection       Yes         • Protection level: Complete protection       Yes         • programming / cycle time monitoring / header       Yes         • adjustable       Yes         Dimensions       Yes         Width       90 mm         Height       100 mm	— FBD	Yes
• User program protection/password protectionYes• Copy protectionYes• Block protectionYesAccess protectionYes• protection of confidential configuration dataYes• Protection level: Write protectionYes• Protection level: Read/write protectionYes• Protection level: Complete protectionYes• Protection level: Complete protectionYes• Protection level: Complete protectionYes• DimensionsYesWidth90 mmHeight100 mm		Yes
• Copy protectionYes• Block protectionYesAccess protectionYes• protection of confidential configuration dataYes• Protection level: Write protectionYes• Protection level: Read/write protectionYes• Protection level: Complete protectionYes• Protection level: Complete protectionYes• adjustableYes <b>Dimensions</b> YesWidth90 mmHeight100 mm	•	
• 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       Yes         • adjustable       Yes         Dimensions       90 mm         Height       100 mm		
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       Yes         • adjustable       Yes         Dimensions       90 mm         Height       100 mm		
• protection of confidential configuration dataYes• Protection level: Write protectionYes• Protection level: Read/write protectionYes• Protection level: Complete protectionYesprogramming / cycle time monitoring / headerYes• adjustableYesDimensions90 mmHeight100 mm		
• Protection level: Write protectionYes• Protection level: Read/write protectionYes• Protection level: Complete protectionYesprogramming / cycle time monitoring / headerYes• adjustableYesDimensions90 mmHeight100 mm	· · ·	Yes
• Protection level: Read/write protectionYes• Protection level: Complete protectionYesprogramming / cycle time monitoring / headerYes• adjustableYesDimensions90 mmHeight100 mm		
• Protection level: Complete protection     Yes       programming / cycle time monitoring / header        • adjustable     Yes       Dimensions     90 mm       Height     100 mm		
programming / cycle time monitoring / header       • adjustable       Yes       Dimensions       Width       Height       100 mm		
• adjustable     Yes       Dimensions     90 mm       Width     90 mm       Height     100 mm		
Width     90 mm       Height     100 mm		Yes
Width     90 mm       Height     100 mm		
Height 100 mm		90 mm
Depth 75 mm		
	Depth	75 mm

Weights	
Weight, approx.	370 g
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