## Data sheet



SIPLUS S7-1200 CPU 1214C AC/DC/relay -25...+55 °C with conformal coating Signal board usable based on 6ES7214-1BG40-0XB0 . 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 @ 47-63 Hz, Program/data memory 75 KB

General information	
Product type designation	CPU 1214C AC/DC/relay
Firmware version	V4.1
Engineering with	
Programming package	STEP 7 V13 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
• permissible range, upper limit	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

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	
• integrated	100 kbyte
• expandable	No
Load memory	
• integrated	4 Mbyte
<ul> <li>Plug-in (SIMATIC Memory Card), max.</li> </ul>	with SIMATIC memory card
Backup	
• present	Yes; maintenance-free
• without battery	Yes
CPU processing times	
for bit operations, typ.	0.085 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.	10 kbyte
Flag	
Number, max.	8 kbyte; Size of bit memory address area
Address area	
Process image	
<ul><li>Inputs, adjustable</li></ul>	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	
Hardware clock (real-time)	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	
Rated value (DC)	24 V
● for signal "0"	5 V DC at 1 mA
● for signal "1"	15 V DC at 2.5 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in groups of four
— at "0" to "1", min.	0.2 ms
— at "0" to "1", max.	12.8 ms
for interrupt inputs	
— parameterizable	Yes
for technological functions	
— parameterizable	Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz
Cable length	
• shielded, max.	500 m; 50 m for technological functions
• unshielded, max.	300 m; For technological functions: No
Digital outputs	
Number of digital outputs	10; Relays
Short-circuit protection	Yes
Switching capacity of the outputs	
<ul><li>with resistive load, max.</li></ul>	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.
Switching frequency	
• of the pulse outputs, with resistive load, max.	1 Hz
Relay outputs	

Number of relay outputs	10
Number of operating cycles, max.	mechanically 10 million, at rated load voltage 100 000
Cable length	mediamony to minion, at rated load voltage 100 000
	500 m
• shielded, max.	150 m
• unshielded, max.	150 111
Analog inputs	
Number of analog inputs	2
Input ranges	
● Voltage	Yes
Input ranges (rated values), voltages	
• 0 to +10 V	Yes
<ul><li>Input resistance (0 to 10 V)</li></ul>	≥100k ohms
Cable length	
• shielded, max.	100 m; twisted and shielded
Analog outputs  Number of analog outputs	0
Number of analog outputs	U
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
<ul> <li>Resolution with overrange (bit including sign),</li> </ul>	10 bit
max.	
<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
1. Interface	PROFINET
Interface type	PROFINET
Physics	Ethernet
Isolated	Yes
automatic detection of transmission rate	Yes
Autoregoing	Yes
Autocrossing	Yes
Protocols	Yes
PROFINET IO Controller	THE
PROFINET IO Device	
PROFINET IO Controller	Yes; Also simultaneously with IO-Device functionality
	Yes; Also simultaneously with IO-Device functionality
● Transmission rate, max.	
• Transmission rate, max. Services	Yes; Also simultaneously with IO-Device functionality  100 Mbit/s
● Transmission rate, max.	Yes; Also simultaneously with IO-Device functionality

Services	
— Shared device	Yes
Number of IO Controllers with shared	2
device, max.	
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIBUS	Yes; CM 1243-5 required
AS-Interface	Yes
Protocols (Ethernet)	
• TCP/IP	Yes
Open IE communication	
• TCP/IP	Yes
• ISO-on-TCP (RFC1006)	Yes
• UDP	Yes
Web server	
• supported	Yes
User-defined websites	Yes
Further protocols	177
• MODBUS	Yes
Communication functions	
S7 communication	V
<ul><li>supported</li></ul>	Yes
• as server	Yes
• as client	Yes
Number of connections	
• overall	16; dynamically
Test commissioning functions	
Status/control	
<ul> <li>Status/control variable</li> </ul>	Yes
<ul><li>Variables</li></ul>	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Forcing	
• Forcing	Yes
Diagnostic buffer	
• present	Yes
Traces	
Number of configurable Traces	2; Up to 512 KB of data per trace are possible
Integrated Functions	
Number of counters	6
Counting frequency (counter) max.	100 kHz
Frequency measurement	Yes

controlled positioning	Yes
Number of position-controlled positioning axes, max.	8
Number of positioning axes via pulse-direction	Up to 4 with SB 1222
interface	
PID controller	Yes
Number of alarm inputs	4
Detected and the second	
Potential separation  Potential separation digital inputs	
Potential separation digital inputs	500V AC for 1 minute
·	1
between the channels, in groups of  Petential apparation digital outputs	'
Potential separation digital outputs	Polovo
Potential separation digital outputs	Relays
• between the channels	No
<ul> <li>between the channels, in groups of</li> </ul>	2
EMC	
Interference immunity against discharge of static electri	city
Interference immunity against discharge of	Yes
static electricity acc. to IEC 61000-4-2	
<ul> <li>Test voltage at air discharge</li> </ul>	8 kV
<ul> <li>Test voltage at contact discharge</li> </ul>	6 kV
Interference immunity to cable-borne interference	
<ul> <li>Interference immunity on supply lines acc. to</li> </ul>	Yes
IEC 61000-4-4	
<ul> <li>Interference immunity on signal cables acc. to</li> </ul>	Yes
IEC 61000-4-4	
Interference immunity against voltage surge	
on the supply lines acc. to IEC 61000-4-5	Yes
Interference immunity against conducted variable distur	, - , -
<ul> <li>Interference immunity against high-frequency radiation acc. to IEC 61000-4-6</li> </ul>	Yes
Emission of radio interference acc. to EN 55 011	
<ul> <li>Limit class A, for use in industrial areas</li> </ul>	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	
Degree of protection acc. to EN 60529	
• IP20	Yes
Standards, approvals, certificates	
CE mark	Yes
Ambient conditions	
Free fall	

Ambient temperature during operation  • min. • max.  • min. • max.  • do "C; = Tmin; Startup @ -25 "C  o "C; = Tmax; Tmax > +55 "C number of simultaneously switched-on digital inputs 7, digital outputs 5, analog inputs 2 (no adjacent points) with horizontal mounting position  Ambient temperature during storage/transportation  • min. • max.  Antitude during operation relating to sea level  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient temperature during to sea level  • Installation altitude above sea level, max.  • Altitude during operation relating to sea level  • Installation altitude above sea level, max.  • With condensation, tested in accordance with life. Goode8-2-38, max.  • With condensation, tested in accordance with life. Goode8-2-38, max.  • Vibration resistance during operation acc. to life. Goode8-2-39, max.  • Vibration resistance during operation acc. to life. Goode8-2-6  • Operation, tested according to IEC 60068-2-6  • Operation, tested according to IEC 60068-2-27  • Ves: IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  — Resistance  Coolants and lubricants  — Resistance  To biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6	● Fall height, max.	0.3 m; five times, in product package
min.     max.		, , , , , , , , , , , , , , , , , , ,
60 °C; = Tmax; Tmax > +55 °C number of simultaneously switched-on digital inputs 7, digital outputs 6, analog inputs 2 (no adjacent points) with horizontal mounting position  Ambient temperature during storage/transportation  • min. • max.  40 °C 7 Altitude during operation relating to sea level  • Installation altitude above sea level, max. • Ambient air temperature-barometric pressure-altitude  • Mith condensation, tested in accordance with IEC 60068-2-38, max.  **Vibrations**  • Vibration resistance during operation acc. to IEC 60068-2-6 • Operation, tested according to IEC 60068-2-7  • (Sestate according to IEC 60068-2-7  • (Sesta		-40 °C; = Tmin; Startup @ -25 °C
• min.     • max.     70 °C Altitude during operation relating to sea level      • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressurealitude     • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressurealitude     • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressurealitude     • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressurealitude     • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressurealitude     • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressurealitude     • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressurealitude     • With condensation, tested in accordance with IEC 60068-2-30, max.  **Vibration resistance during operation acc. to IEC 60068-2-30, max.  **Vibration resistance during operation acc. to IEC 60068-2-6     • Operation, tested according to IEC 60068-2-6     • Operation, tested according to IEC 60068-2-6  **Ves  **Shock testing  • tested according to IEC 60068-2-27  **Ves; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms  **Resistance**  Coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically activ		60 °C; = Tmax; Tmax > +55 °C number of simultaneously switched-on digital inputs 7, digital outputs 5, analog inputs 2 (no
* max.     * Antibute during operation relating to sea level     * Installation altitude above sea level, max.     * Ambient air temperature-barometric pressurealtitude     * Installation altitude above sea level, max.     * Ambient air temperature-barometric pressurealtitude     * Ambient air temperature-barometric pressurealtitude     * Vibration altitude     * With condensation, tested in accordance with IEC 60068-2-38, max.  **Vibrations**    Vibration resistance during operation acc. to IEC 60068-2-38, max.  **Vibration resistance during operation acc. to IEC 60068-2-6   Operation, tested according to IEC 60068-2-6    Operation, tested according to IEC 60068-2-6   Ves Shock testing   **Ves: IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms  **Resistance**  **Coolants and lubricants**  - Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  - to biologically active substances according to IEN 60721-3-3  - to mechanically active substances according to IEN 60721-3-3  - to mechanically active substances according to EN 60721-3-3  Use on ships/at sea  - to biologically active substances according to EN 60721-3-6  - to hemically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanically active substances according to EN 60721-3-6  - to mechanic	Ambient temperature during storage/transportation	
Altitude during operation relating to sea level  Installation altitude above sea level, max.  Ambient air temperature-barometric pressurealtitude  Trimin (Tmax + 10 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax + 20 K) at 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax + 20 K) at 658 hPa 540 hPa (+3 500 m +3 500 m) // Tmin (Tmax + 20 K) at 658 hPa 540 hPa (+3 500 m +3 500 m) // Tmin (Tmax + 20 K) at 658 hPa 540 hPa (+3 500 m +3 500 m) // Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +3 500 m) // Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +3 500 m) // Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +3 500 m) // Tmin Tmax at	• min.	-40 °C
In stallation altitude above sea level, max.  Ambient air temperature-barometric pressurealtitude  Tmin (Tmax - 10 K) at 795 hPa 589 hPa 540 hPa 42 000 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa .	• max.	70 °C
Ambient air temperature-barometric pressurealtitude     Ambient air temperature-barometric pressurealtitude     Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa ( 43 500 m) +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa ( 540 hPa	Altitude during operation relating to sea level	
altitude  Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa 5	• Installation altitude above sea level, max.	2 000 m
With condensation, tested in accordance with IEC 60068-2-38, max.  Vibrations  Vibration resistance during operation acc. to IEC 60068-2-6  Operation, tested according to IEC 60068-2-6  Yes  Shock testing  Itested according to IEC 60068-2-7  Tested 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  Resistance  Coolants and lubricants  Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  To biologically active substances according to EN 60721-3-3  To mechanically active substances according to EN 60721-3-3  Use on ships/at sea  To biologically active substances according to EN 60721-3-6  To mechanically active substances according to EN 60721-3-6  To to mechanically active substances according to EN 60721-3-6  To to mechanically active substances according to EN 60721-3-6  To to mechanically active substances according to EN 60721-3-6	·	Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m
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Vibration resistance during operation acc. to IEC 60068-2-6  Operation, tested according to IEC 60068-2-6  Ves  Shock testing  Itested 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  Resistance  Coolants and lubricants  Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  To biologically active substances according to EN 60721-3-3  To mechanically active substances according to EN 60721-3-3  Use on ships/at sea  To biologically active substances according to EN 60721-3-6  To chemically active substances according to EN 60721-3-6  To mechanically active substances according to EN 60721-3-6		
IEC 60068-2-6  Operation, tested according to IEC 60068-2-6  Yes  Shock testing  Itested 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  Resistance  Coolants and lubricants  Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  To biologically active substances according to EN 60721-3-3  To chemically active substances according to EN 60721-3-3  To mechanically active substances according to EN 60721-3-6  To chemically active substances according to EN 60721-3-6  To mechanically active substances according to EN 60721-3-6	Vibrations	
Shock testing  • tested according to IEC 60068-2-27  • 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  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6		2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail
• 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  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6	<ul> <li>Operation, tested according to IEC 60068-2-6</li> </ul>	Yes
Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to remenancially active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-6  — to biologically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6	Shock testing	
Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6	• tested according to IEC 60068-2-27	
<ul> <li>Resistant to commercially available coolants and lubricants</li> <li>Use in stationary industrial systems</li> <li>to biologically active substances according to EN 60721-3-3</li> <li>to chemically active substances according to EN 60721-3-3</li> <li>To mechanically active substances according to EN 60721-3-6</li> <li>To chemically active substances according to EN 60721-3-6</li> <li>To mechanically active substances according to EN 60721-3-6</li> <li>To m</li></ul>	Resistance	
Coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6	Coolants and lubricants	
<ul> <li>to biologically active substances according to EN 60721-3-3</li> <li>to chemically active substances according to EN 60721-3-3</li> <li>to EN 60721-3-3</li> <li>to mechanically active substances according according to EN 60721-3-3</li> <li>Use on ships/at sea</li> <li>to biologically active substances according to EN 60721-3-6</li> <li>to EN 60721-3-6</li> <li>to chemically active substances according to EN 60721-3-6</li> <li>to chemically active substances according to EN 60721-3-6</li> <li>to chemically active substances according to EN 60721-3-6</li> <li>to mechanically active substances according to EN 60721-3-6</li> <li>Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request</li> <li>Yes; Class 6C3 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</li> <li>Yes; Class 6S3 incl. sand, dust; *</li> </ul>	-	Yes
to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6	Use in stationary industrial systems	
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to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  6B3 on request  Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 6S3 incl. sand, dust; *	Use on ships/at sea	
to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  52 (severity degree 3); *  Yes; Class 6S3 incl. sand, dust; *		
according to EN 60721-3-6	-	
-		Yes; Class 6S3 incl. sand, dust; *

 Note regarding classification of environmental conditions acc. to EN 60721 \* The supplied plug covers must remain in place over the unused interfaces during operation!

Configuration	
Programming	
Programming language	
— LAD	Yes
— FBD	Yes
— SCL	Yes
Cycle time monitoring	
adjustable	Yes
Diversity	
Dimensions	
Width	110 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	455 g
last modified:	07/29/2018