## **SIEMENS**

## Data sheet

6ES7214-1AG31-0XB0

SIMATIC S7-1200, CPU 1214C, compact CPU, DC/DC/DC, onboard I/O: 14 DI 24 V DC; 10 DO 24 V DC; 2 AI 0-10 V DC, Power supply: DC 20.4-28.8V DC, Program/data memory 75 KB



General information	
Product type designation	CPU 1214C DC/DC/DC
Engineering with	
Programming package	STEP 7 V11 SP2 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
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, max.	1.5 A; 24 V DC
Inrush current, max.	12 A; at 28.8 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	Permissible range: 20.4V to 28.8V
Power loss	
Power loss, typ.	12 W
Memory	
Work memory	
• integrated	75 kbyte
expandable	No
Load memory	
• integrated	4 Mbyte
Backup	
• present	maintenance-free
without battery	Yes
CPU processing times	0.005 var / instruction
for bit operations, typ.	0.085 µs; / instruction
for word operations, typ.	1.7 µs; / instruction
for floating point arithmetic, typ.	2.5 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
ОВ	
• 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	
I/O address area	
• Inputs	1 024 byte
Outputs	1 024 byte
Process image	
• Inputs, adjustable	1 kbyte
Outputs, adjustable	1 kbyte
Hardware configuration	
Traitaware corniguration	

Time of day	
Clock	
Hardware clock (real-time)	Yes
Backup time	480 h; Typical
Deviation per day, max.	60 s/month at 25 °C
Division (	
Digital inputs  Number of digital inputs	14; Integrated
of which inputs usable for technological	6; HSC (High Speed Counting)
functions	o, rice (riigh opeca coanting)
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 current	
● for signal "1", typ.	1 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in groups of four
— at "0" to "1", min.	0.2 ms
— at "0" to "1", max.	12.8 ms
for interrupt inputs	
— parameterizable	Yes
for technological functions	
— parameterizable	Single phase: 3 @ 100 kHz & 3 @ 30 kHz, differential: 3 @ 80 kHz & 3 @ 30 kHz
Cable length	
• shielded, max.	500 m; 50 m for technological functions
• unshielded, max.	300 m; For technological functions: No
Digital outputs	
Number of digital outputs	10
<ul><li>of which high-speed outputs</li></ul>	4; 100 kHz Pulse Train Output
Short-circuit protection	No; to be provided externally
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
Output voltage	

• for signal "0", max.	0.1 V; with 10 kOhm load
• for signal "1", min.	20 V
Output current	
• for signal "1" rated value	0.5 A
• for signal "0" residual current, max.	0.1 mA
Output delay with resistive load	
• "0" to "1", max.	1 µs
• "1" to "0", max.	5 μs
Switching frequency	
• of the pulse outputs, with resistive load, max.	100 kHz
Relay outputs	
Number of relay outputs	0
Cable length	
• shielded, max.	500 m
• unshielded, max.	150 m
Analog inputs	2
Number of analog inputs	2
Input ranges	Yes
Voltage  Input ranges (rated values), voltages	165
Input ranges (rated values), voltages	Yes
• 0 to +10 V	
• Input resistance (0 to 10 V)	≥100k ohms
Cable length	100 m; twisted and shielded
• shielded, max.	100 III, twisted and silielded
Analog outputs	
Number of analog outputs	0
Cable length	
• shielded, max.	100 m; shielded, twisted pair
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
Resolution with overrange (bit including sign),	10 bit
max.	
• Integration time, parameterizable	Yes
<ul> <li>Conversion time (per channel)</li> </ul>	625 µs
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1. Interface	
Interface type	PROFINET
Physics	Ethernet

Isolated	Yes
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes
Protocols	
PROFINET IO Controller	Yes
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIBUS	Yes
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
<ul> <li>User-defined websites</li> </ul>	Yes
Further protocols	
• MODBUS	Yes
Communication functions S7 communication	
• supported	Yes
	Yes
• as server	
• as client	Yes
Test commissioning functions	
Status/control	
Status/control variable	Yes
<ul><li>Variables</li></ul>	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Forcing	
• Forcing	Yes
Diagnostic buffer	
• present	Yes
Integrated Functions	
Number of counters	6
Counting frequency (counter) max.	100 kHz
Frequency measurement	Yes
controlled positioning	V
controlled positioning	Yes

Number of alarm inputs	4
Number of pulse outputs	2
Limit frequency (pulse)	100 kHz
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	Yes
• between the channels	No
• between the channels, in groups of	1
Permissible potential difference	
between different circuits	500 V DC between 24 V DC and 5 V DC
EMC	
Interference immunity against discharge of static electrons	icity
<ul> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2</li> </ul>	Yes
<ul> <li>Test voltage at air discharge</li> </ul>	8 kV
<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 IEC 61000-4-4</li> </ul>	Yes
<ul> <li>Interference immunity on signal cables acc. to IEC 61000-4-4</li> </ul>	Yes
Interference immunity against voltage surge	
• on the supply lines acc. to IEC 61000-4-5	Yes
Interference immunity against conducted variable distu	rbance induced by high-frequency fields
<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	
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	
Degree of protection acc. to EN 60529	
• IP20	Yes
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
cULus	Yes

RCM (formerly C-TICK) Marine approval  Armbient conditions Free fall  Fall height, max.  Ambient temperature during operation  min.  max.  horizontal installation, min.  horizontal installation min.  horizontal installation.	FM approval	Yes
### Ambient conditions    Free fail     Fall height, max.	RCM (formerly C-TICK)	Yes
Free fall  Frail height, max.  Ambient temperature during operation  inin.  max.  60 °C  horizontal installation, min.  horizontal installation, min.  horizontal installation, max.  horizontal installation installa	Marine approval	Yes
Free fall  Frail height, max.  Ambient temperature during operation  inin.  max.  60 °C  horizontal installation, min.  horizontal installation, min.  horizontal installation, max.  horizontal installation installa	Ambient conditions	
Ambient temperature during operation    min.		
• min. • max. • max. • horizontal installation, min. • horizontal installation, min. • horizontal installation, min. • vertical installation, max. • min. • min. • min. • max. • To "C  Air pressure acc. to IEC 60068-2-13 • Operation, min. • Operation, min. • Operation, max. • Storage/transport, min. • Storage/transport, min. • Storage/transport, min. • Installation altitude, min. • Installation altitude, min. • Installation altitude, max. • 2 000 m  Relative humidity • Operation, max.  Vibrations • Vibration resistance during operation acc. to IEC 60068-2-6 • Operation, tested according to IEC 60068-2-6 • Operation, tested according to IEC 60068-2-27  Ves; 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  SO2: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free  Configuration  Programming language  — LAD — FBD — FBD — FBD — FBD — SCL  Yes	• Fall height, max.	0.3 m; five times, in product package
• max. • horizontal installation, min. • horizontal installation, min. • horizontal installation, min. • vertical installation, max. • vertical installation, max. • vertical installation, max. • vertical installation, max.  50 °C  Ambient temperature during storage/transportation • min. • max.	Ambient temperature during operation	
	• min.	-20 °C
• horizontal installation, max. • vertical installation, min. • vertical installation, max.  • vertical installation, max.  50 °C  Ambient temperature during storage/transportation  • min. • max.  Are "C  • max.  Are pressure acc. to IEC 60068-2-13  • Operation, min. • Operation, max.  • Storage/transport, min. • Storage/transport, min. • Storage/transport, min. • Installation altitude, min. • Installation altitude, max.  Poperation, max.  • Vibrations  • Vibration resistance during operation acc. to IEC 60068-2-6  • Operation, tested according to IEC 60068-2-7  Shock testing • tested according to IEC 60068-2-7  Pollutant concentrations  • SO2 at RH < 60% without condensation  Programming  Programming language  — LAD — FBD — SCL  Pollutant concentrations  • Ves  Yes  Yes  Yes  Yes  Yes  Yes  Yes	• max.	60 °C
• vertical installation, min. • vertical installation, max.  50 °C  Ambient temperature during storage/transportation  • min. • max.  70 °C  Air pressure acc. to IEC 60068-2-13  • Operation, min. • Operation, max.  • Storage/transport, min. • Storage/transport, min. • Installation altitude, min. • Installation altitude, min. • Installation altitude, max.  Poperation, max.  • Vibrations  • Vibration resistance during operation acc. to IEC 60068-2-6  • Operation, tested according to IEC 60068-2-7  Pogramming  • tested according to IEC 60068-2-7  Programming  Programming language  — LAD — FBD — SCL  Po O C Air C	• horizontal installation, min.	-20 °C
vertical installation, max.  Ambient temperature during storage/transportation      min.     max.     70 °C  Air pressure acc. to IEC 60068-2-13      Operation, min.     Operation, min.     Operation, max.     1 080 hPa     Storage/transport, min.     Storage/transport, max.     1 080 hPa     Storage/transport, max.     1 080 hPa  Altitude during operation relating to sea level      Installation altitude, min.     Installation altitude, max.     2 000 m  Relative humidity     Operation, max.  Vibrations      Vibration resistance during operation acc. to IEC 60068-2-6      Operation, tested according to IEC 60068-2-6  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      SO2 at RH < 60% without condensation  Configuration  Programming  Programming  Programming  Programming language  — LAD — FBD — SCL  Yes	<ul> <li>horizontal installation, max.</li> </ul>	60 °C
Ambient temperature during storage/transportation  • min. • max.  -40 °C  70 °C  Air pressure acc. to IEC 60068-2-13  • Operation, min. • Operation, max.  1 080 hPa  • Storage/transport, min. • Storage/transport, max.  Altitude during operation relating to sea level  • Installation altitude, min. • Installation altitude, max.  Poperation, max.  95 %; no condensation  Vibrations  • Vibrations  • Vibration resistance during operation acc. to IEC 60068-2-6  • Operation, tested according to IEC 60068-2-6  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  • SO2 at RH < 60% without condensation  Programming  Programming  Programming Ianguage  — LAD — FBD — SCL  Yes	• vertical installation, min.	-20 °C
<ul> <li>min.</li> <li>max.</li> <li>70 °C</li> <li>Air pressure acc. to IEC 60068-2-13</li> <li>Operation, min.</li> <li>Operation, max.</li> <li>Storage/transport, min.</li> <li>Storage/transport, max.</li> <li>Altitude during operation relating to sea level</li> <li>Installation altitude, min.</li> <li>Installation altitude, max.</li> <li>Operation, max.</li> <li>Operation, max.</li> <li>Operation, max.</li> <li>Vibrations</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>Operation, tested according to IEC 60068-2-6</li> <li>Operation, 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>Pollutant concentrations</li> <li>SO2: &lt; 0.5 ppm; H2S: &lt; 0.1 ppm; RH &lt; 60% condensation-free</li> </ul> Configuration Programming Programming language <ul> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul>	• vertical installation, max.	50 °C
max. 70 °C  Air pressure acc. to IEC 60068-2-13      Operation, min. 795 hPa     Operation, max. 1080 hPa     Storage/transport, min. 660 hPa     Storage/transport, max. 1080 hPa  Altitude during operation relating to sea level      Installation altitude, min1000 m     Installation altitude, max. 2000 m  Relative humidity     Operation, max. 95 %; no condensation  Vibrations      Vibrations      Vibration resistance during operation acc. to IEC 60068-2-6     Operation, tested according to IEC 60068-2-6     Operation, tested according to IEC 60068-2-7      **etsted according to IEC 60068-2-7	Ambient temperature during storage/transportation	
Air pressure acc. to IEC 60068-2-13  • Operation, min. • Operation, max. • Storage/transport, min. • Storage/transport, max.  Altitude during operation relating to sea level • Installation altitude, min. • Installation altitude, max.  Poperation, max.  • Operation, max.  • Operation, max.  • Vibrations • Vibration resistance during operation acc. to IEC 60068-2-6 • Operation, tested according to IEC 60068-2-6  • Operation, tested according to IEC 60068-2-7  • Shock testing • tested according to IEC 60068-2-7  • SO2 at RH < 60% without condensation  Programming  Programming language  — LAD — FBD — SCL  795 hPa 1080 hP	• min.	-40 °C
<ul> <li>Operation, min.</li> <li>Operation, max.</li> <li>Storage/transport, min.</li> <li>Storage/transport, max.</li> <li>Altitude during operation relating to sea level</li> <li>Installation altitude, min.</li> <li>Installation altitude, max.</li> <li>Operation, max.</li> <li>Vibrations</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>Operation, tested according to IEC 60068-2-6</li> <li>Operation, tested according to IEC 60068-2-7</li> <li>Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms</li> <li>Pollutant concentrations</li> <li>SO2 at RH &lt; 60% without condensation</li> <li>Yes</li> <li>Configuration</li> <li>Programming</li> <li>Programming language</li> <li>LAD</li> <li>FBD</li> <li>SCL</li> </ul>	• max.	70 °C
Operation, max. Storage/transport, min. Storage/transport, max.  Altitude during operation relating to sea level  Installation altitude, min. Installation altitude, max.  Operation, max.  Vibrations  Vibrations  Vibration resistance during operation acc. to IEC 60068-2-6 Operation, tested according to IEC 60068-2-6 Operation, tested according to IEC 60068-2-7  Ves; 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  Programming  Programming  Programming language  — LAD — FBD — SCL  Ves  1 080 hPa 660 h	Air pressure acc. to IEC 60068-2-13	
Storage/transport, min. Storage/transport, max.  Altitude during operation relating to sea level  Installation altitude, min. Installation altitude, max.  2 000 m  Relative humidity Operation, max.  Vibrations  Vibrations  Vibration resistance during operation acc. to IEC 60068-2-6 Operation, tested according to IEC 60068-2-6 Yes  Shock testing  tested according to IEC 60068-2-7  Pollutant concentrations So2 at RH < 60% without condensation  Vies  Programming  Programming  Programming  Programming language  — LAD — FBD — SCL  Yes  1 080 hPa  1 080 hPa 1 080 h	Operation, min.	795 hPa
Storage/transport, max.  1 080 hPa  Altitude during operation relating to sea level  Installation altitude, min. Installation altitude, max.  2 000 m  Relative humidity  Operation, max.  Vibrations  Vibration resistance during operation acc. to IEC 60068-2-6 Operation, tested according to IEC 60068-2-6  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  Pollutant concentrations  So2 at RH < 60% without condensation  Programming  Programming  Programming language  — LAD — FBD — SCL  Yes  1 080 hPa  1 080 helication for the storage of the stora	<ul><li>Operation, max.</li></ul>	1 080 hPa
Altitude during operation relating to sea level  • Installation altitude, min. • Installation altitude, max. 2 000 m  Relative humidity  • Operation, max.  95 %; no condensation  Vibrations  • 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  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  • SO2 at RH < 60% without condensation  S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free  Configuration  Programming  Programming  Programming language  — LAD — FBD — SCL  Yes	• Storage/transport, min.	660 hPa
<ul> <li>Installation altitude, min.</li> <li>Installation altitude, max.</li> <li>2 000 m</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>Vibrations</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>Operation, tested according to IEC 60068-2-6</li> <li>Operation, tested according to IEC 60068-2-6</li> <li>Yes</li> <li>Shock testing</li> <li>tested according to IEC 60068-2-27</li> <li>Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms</li> <li>Pollutant concentrations</li> <li>SO2 at RH &lt; 60% without condensation</li> <li>S02: &lt; 0.5 ppm; H2S: &lt; 0.1 ppm; RH &lt; 60% condensation-free</li> <li>Configuration</li> <li>Programming</li> <li>Programming language</li> <li>LAD</li> <li>FBD</li> <li>SCL</li> <li>Yes</li> <li>SCL</li> </ul>	• Storage/transport, max.	1 080 hPa
<ul> <li>Installation altitude, max.</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>Vibrations</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>Operation, tested according to IEC 60068-2-6</li> <li>Yes</li> <li>Shock testing</li> <li>tested according to IEC 60068-2-27</li> <li>Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms</li> <li>Pollutant concentrations</li> <li>SO2 at RH &lt; 60% without condensation</li> <li>S02: &lt; 0.5 ppm; H2S: &lt; 0.1 ppm; RH &lt; 60% condensation-free</li> <li>Configuration</li> <li>Programming</li> <li>Programming language</li> <li>LAD</li> <li>FBD</li> <li>SCL</li> <li>Yes</li> <li>Yes</li> <li>SCL</li> </ul>	Altitude during operation relating to sea level	
Relative humidity  Operation, max.  95 %; no condensation  Vibrations  Vibration resistance during operation acc. to IEC 60068-2-6 Operation, 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 • SO2 at RH < 60% without condensation  Programming  Programming  Programming language  — LAD — FBD — SCL  Yes  95 %; no condensation  2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail  Yes  2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail  2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail  2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail  2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail  2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail  2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail  4 yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Installation altitude, min.	-1 000 m
<ul> <li>Operation, max.</li> <li>Vibrations</li> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> <li>Operation, tested according to IEC 60068-2-6</li> <li>Yes</li> <li>Shock testing</li> <li>tested according to IEC 60068-2-7</li> <li>Pollutant concentrations</li> <li>SO2 at RH &lt; 60% without condensation</li> <li>SO2: &lt; 0.5 ppm; H2S: &lt; 0.1 ppm; RH &lt; 60% condensation-free</li> <li>Configuration</li> <li>Programming</li> <li>Programming language</li> <li>— LAD</li> <li>— FBD</li> <li>— SCL</li> <li>Yes</li> </ul>	<ul> <li>Installation altitude, max.</li> </ul>	2 000 m
Vibrations	Relative humidity	
Vibration resistance during operation acc. to IEC 60068-2-6  Operation, 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  • SO2 at RH < 60% without condensation  S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free  Configuration  Programming  Programming language  — LAD — FBD — SCL  Yes  Yes  Yes  Yes  Yes  Yes	Operation, max.	95 %; no condensation
IEC 60068-2-6	Vibrations	
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  Programming  Programming language  — LAD — FBD — FBD — Yes — SCL  Yes		2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail
<ul> <li>◆ tested according to IEC 60068-2-27</li> <li>Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms</li> <li>Pollutant concentrations</li> <li>◆ SO2 at RH &lt; 60% without condensation</li> <li>S02: &lt; 0.5 ppm; H2S: &lt; 0.1 ppm; RH &lt; 60% condensation-free</li> <li>Configuration</li> <li>Programming</li> <li>Programming language</li> <li>— LAD</li> <li>— FBD</li> <li>— SCL</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	<ul> <li>Operation, tested according to IEC 60068-2-6</li> </ul>	Yes
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  Programming  Programming language  — LAD — FBD — FBD — SCL  Yes  Yes	Shock testing	
● SO2 at RH < 60% without condensation  S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free  Configuration  Programming  Programming language  — LAD — FBD — FBD — SCL  Yes  Yes  Yes	• tested according to IEC 60068-2-27	
Configuration  Programming  Programming language  — LAD Yes  — FBD Yes  — SCL Yes	Pollutant concentrations	
Programming           Programming language         Yes           — FBD         Yes           — SCL         Yes	SO2 at RH < 60% without condensation	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
Programming language  — LAD Yes  — FBD Yes  — SCL Yes		
— LAD       Yes         — FBD       Yes         — SCL       Yes	Programming	
<ul><li>FBD</li><li>SCL</li><li>Yes</li><li>Yes</li></ul>	Programming language	
— SCL Yes	— LAD	Yes
	— FBD	Yes
Cycle time monitoring	— SCL	Yes
	Cycle time monitoring	

• adjustable	Yes
Dimensions	
Width	110 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	415 g
last modified:	02/18/2019