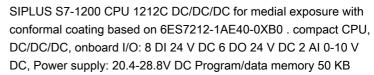
Data sheet





| General information | |
|---------------------------------------|--|
| Product type designation | CPU 1212C DC/DC/DC |
| 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 |
| • permissible range, lower limit (DC) | 20.4 V |
| • permissible range, upper limit (DC) | 28.8 V |
| Input current | |
| Current consumption (rated value) | 400 mA; Typical |
| Current consumption, max. | 1 200 mA; CPU with all expansion modules |
| Inrush current, max. | 12 A; at 28.8 V DC |
| Output current | |
| for backplane bus (5 V DC), max. | 1 000 mA; Max. 5 V DC for SM and CM |

| Encoder supply | |
|---|---|
| 24 V encoder supply | |
| • 24 V | L+ minus 4 V DC min. |
| Power loss | |
| Power loss, typ. | 9 W |
| Memory | |
| Work memory | |
| • integrated | 75 kbyte |
| • expandable | No |
| Load memory | |
| • integrated | 1 Mbyte |
| • Plug-in (SIMATIC Memory Card), max. | 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 |
| 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. | 4 kbyte; Size of bit memory address area |
| Local data | |
| • per priority class, max. | 16 kbyte; Priority class 1 (program cycle): 16 KB, priority class 2 to 26: 6 KB |
| Address area | |
| Process image | |
| Inputs, adjustable | 1 kbyte |
| Outputs, adjustable | 1 kbyte |
| Hardware configuration | |
| Number of modules per system, max. | 3 comm. modules, 1 signal board, 2 signal modules |

| Time of day | |
|--|--|
| Clock | |
| Hardware clock (real-time) | Yes |
| Backup time | 480 h; Typical |
| Deviation per day, max. | 60 s/month at 25 °C |
| Digital inputs | |
| Number of digital inputs | 8; Integrated |
| of which inputs usable for technological | 4; HSC (High Speed Counting) |
| functions | |
| Source/sink input | Yes |
| Number of simultaneously controllable inputs | |
| all mounting positions | |
| — up to 40 °C, max. | 8 |
| 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. | 0.1 ms |
| — at "0" to "1", max. | 20 ms |
| for interrupt inputs | |
| — parameterizable | Yes |
| for technological functions | |
| — parameterizable | Single phase: 3 @ 100 kHz & 1 @ 30 kHz, differential: 3 @ 80 kHz & 1 @ 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 | 6 |
| of which high-speed outputs | 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 |
| 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 for signal "0" residual current, max. | | |
|--|---|-----------------------------|
| Output delay with resistive load • "O" to "I", max. • "I" to "O", max. 3 µs Switching frequency • of the pulse outputs, with resistive load, max. Cable length • shielded, max. • unshielded, max. 150 m Analog inputs Number of analog inputs • Voltage Input ranges • Voltage Input ranges (rated values), voltages • 0 to +10 V • Input resistance (0 to 10 V) Cable length • shielded, max. Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable • Conversion time (per channel) • Cabvies ensor • 2-wire sensor Yes I. Interface Interface Interface type PROFINET IO Controller • PROFINET IO Controller Yes Protocols • PROFINET IO Controller | • for signal "1" rated value | 0.5 A |
| • "0" to *1", max. • ""*" to *70", max. 3 μs Switching frequency • of the pulse outputs, with resistive load, max. Loable length • shielded, max. • unshielded, max. • unshielded, max. Load inputs Number of analog inputs Input ranges • Voltage • Voltage • Voltage • Voltage • 10 to +10 V • Input resistance (0 to 10 V) Cable length • shielded, max. Analog outputs Number of analog outputs O 10 to +10 V Cable length • Shielded, max. 100 m: twisted and shielded Analog value generation for the inputs Integration and conversion time/resolution per channel Resolution with overrange (bit including sign), max. Integration time, parameterizable Conversion time (per channel) Fincoder Connectable encoders • 2-wire sensor Yes Linterface Interface Interface Interface Interface Interface Interface Interface Ves automatic detection of transmission rate Yes Autocrossing Yes PROFINET IO Controller Yes Protocols • PROFINET IO Controller Yes Protocols • PROFINET IO Controller Yes | • for signal "0" residual current, max. | 0.1 mA |
| *"1" to "0", max. Switching frequency • of the pulse outputs, with resistive load, max. Cable length • shielded, max. • unshielded, max. * unshielded, max. * unshielded, max. * Voltage Input ranges • Voltage Input ranges (rated values), voltages • 0 to +10 V • Input resistance (0 to 10 V) Cable length • shielded, max. * 100 m; twisted and shielded Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor Yes Interface Interface type PROFINET Physics Ethernet Isolated Ves Autonegotiation Yes Protocols • PROFINET IO Controller Yes Protocols • PROFINET IO Controller | Output delay with resistive load | |
| Switching frequency • of the pulse outputs, with resistive load, max. Cable length • shielded, max. • unshielded, max. 150 m Analog inputs Number of analog inputs • Voltage • Voltage • Voltage • Voltage • Input ranges (rated values), voltages • 0 to +10 V • Input resistance (0 to 10 V) Cable length • shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor Yes 1 Interface Interfa | ● "0" to "1", max. | 1 μs |
| • of the pulse outputs, with resistive load, max. Cable length • shielded, max. • unshielded, max. • unshielded, max. Analog inputs Number of analog inputs 2 linput ranges • Voltage • Voltage • Yes Input ranges (rated values), voltages • 0 to +10 V • Input resistance (0 to 10 V) Cable length • shielded, max. Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor Yes 1. Interface Physics Ethernet Isolated ves automatic detection of transmission rate Autocrossing PROFINET IO Controller Protocols • PROFINET IO Controller Yes Protocols • PROFINET IO Controller | • "1" to "0", max. | 3 µs |
| Cable length • shielded, max. • unshielded, max. 150 m Analog inputs Number of analog inputs • Voltage Input ranges • Voltage Input ranges (rated values), voltages • 10 to +10 V • Input resistance (0 to 10 V) Cable length • shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor Yes Interface Interface Interface type Physics Ethernet Isolated Yes Autonegotiation Yes PROFINET IO Controller Yes PROFINET IO Controller | Switching frequency | |
| • shielded, max. • unshielded, max. 150 m Analog inputs Number of analog inputs 1 voltage Input ranges • Voltage Input ranges (rated values), voltages • 0 to +10 V • Input resistance (0 to 10 V) Cable length • shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs Number of analog outputs Number of analog outputs Presolution with overrange (bit including sign), max. Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. Integration time, parameterizable yes • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor Yes Interface Interface type PROFINET Physics Ethernet Isolated Autocrossing Pes PROFINET Yes Autocrossing PROFINET (yes | • of the pulse outputs, with resistive load, max. | 100 kHz |
| • unshielded, max. 150 m Analog inputs Number of analog inputs 2 Input ranges • Voltage Yes Input ranges (rated values), voltages • 0 to +10 V Yes • Input resistance (0 to 10 V) Yes • Input resistance (0 to 10 V) 100 k ohms Cable length • shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs 0 Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable Yes • Conversion time (per channel) 625 μs Encoder Connectable encoders • 2-wire sensor Yes 1 Interface Interface type PROFINET Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autorcossing Yes PROFINET IO Controller | Cable length | |
| Analog inputs Number of analog inputs 1 Input ranges • Voltage • Voltage 1 Yes Input ranges (rated values), voltages • 0 to +10 V Input resistance (0 to 10 V) Cable length • shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs 0 Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor Yes 1 Interface Interface Interface type PROFINET Physics Ethernet Isolated Yes Autonegotiation Yes Autoressing Yes PROFINET (Yes Autoressing Yes PROFINET (Yes Autoressing Yes PROFINET (Yes Autoressing Yes PROFINET (Yes | • shielded, max. | 500 m |
| Number of analog inputs Input ranges Voltage Yes | • unshielded, max. | 150 m |
| Input ranges • Voltage Input ranges (rated values), voltages • 0 to +10 V Yes • Input resistance (0 to 10 V) Cable length • shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable Yes • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor Yes 1. Interface Interface Interface type PROFINET Physics Ethernet Isolated Autonegotiation Yes Autonegotiation Yes Protocols • PROFINET IO Controller Yes | Analog inputs | |
| Pes Input ranges (rated values), voltages ● 0 to +10 V Yes ● Input resistance (0 to 10 V) ≥100k ohms Cable length ● shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs Number of analog outputs Integration and conversion time/resolution per channel ● Resolution with overrange (bit including sign), max. ● Integration time, parameterizable Yes ● Conversion time (per channel) 625 μs Encoder Connectable encoders ● 2-wire sensor Yes 1. Interface Interface type PROFINET Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autocrossing Yes Protocols ● PROFINET IO Controller Yes | Number of analog inputs | 2 |
| Input ranges (rated values), voltages ● 0 to +10 V Yes ● Input resistance (0 to 10 V) ≥100k ohms Cable length ● shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs Integration and conversion time/resolution per channel ● Resolution with overrange (bit including sign), max. ● Integration time, parameterizable Yes ● Conversion time (per channel) 625 μs Encoder Connectable encoders ● 2-wire sensor Yes 1. Interface Interface type PROFINET Physics Ethernet Isolated automatic detection of transmission rate Yes Autocrossing Yes Protocols ● PROFINET IO Controller Yes | Input ranges | |
| ● 0 to +10 V | Voltage | Yes |
| • Input resistance (0 to 10 V) ≥100k ohms Cable length • shielded, max. 100 m; twisted and shielded Analog outputs Number of analog outputs 0 Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable Yes • Conversion time (per channel) 625 μs Encoder Connectable encoders • 2-wire sensor Yes 1. Interface Interface Unterface type PROFINET Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autorcossing Yes PROFINET IO Controller Yes | Input ranges (rated values), voltages | |
| Cable length • shielded, max. Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor 1. Interface Interface type Physics Ethernet Isolated Autocrossing Yes Autocrossing Protocols • PROFINET IO Controller Yes Protocols • PROFINET IO Controller Yes | • 0 to +10 V | Yes |
| * shielded, max. Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel * Resolution with overrange (bit including sign), max. * Integration time, parameterizable Yes * Conversion time (per channel) Encoder Connectable encoders * 2-wire sensor Yes 1. Interface Interface type PROFINET Physics Ethernet Isolated Autonegotiation Yes Autocrossing Yes PROFINET IO Controller Yes Protocols * PROFINET IO Controller Yes | Input resistance (0 to 10 V) | ≥100k ohms |
| Analog outputs Number of analog outputs O Analog value generation for the inputs Integration and conversion time/resolution per channel • Resolution with overrange (bit including sign), max. • Integration time, parameterizable Yes • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor 1. Interface Interface type Prysics Ethernet Isolated Autonegotiation Yes Autocrossing Protocols • PROFINET IO Controller Yes | Cable length | |
| Number of analog outputs Analog value generation for the inputs Integration and conversion time/resolution per channel ● Resolution with overrange (bit including sign), max. ● Integration time, parameterizable Yes ● Conversion time (per channel) 625 Encoder Connectable encoders ● 2-wire sensor Yes 1. Interface Interface type PROFINET Physics Ethernet Isolated automatic detection of transmission rate Yes Autoreossing Protocols ● PROFINET IO Controller Yes | • shielded, max. | 100 m; twisted and shielded |
| Analog value generation for the inputs Integration and conversion time/resolution per channel Resolution with overrange (bit including sign), max. Integration time, parameterizable Yes Conversion time (per channel) Encoder Connectable encoders 2-wire sensor Yes Interface Interface type PROFINET Physics Ethernet Isolated Autonegotiation Yes Autorossing PROFINET IO Controller Yes | Analog outputs | |
| Integration and conversion time/resolution per channel Resolution with overrange (bit including sign), max. Integration time, parameterizable Yes Conversion time (per channel) Function (per chann | Number of analog outputs | 0 |
| Resolution with overrange (bit including sign), max. Integration time, parameterizable Yes Conversion time (per channel) 625 μs Encoder Connectable encoders 2-wire sensor Yes 1. Interface Interface type Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autonegotiation Yes Protocols PROFINET IO Controller Yes Protocols PROFINET IO Controller Yes Yes Protocols PROFINET IO Controller Yes Yes Protocols PROFINET IO Controller Yes Yes Yes Protocols PROFINET IO Controller Yes Yes Yes Protocols PROFINET IO Controller Yes Yes Yes Protocols PROFINET IO Controller Yes Yes Yes Protocols Yes PROFINET IO Controller Yes Yes Yes Yes Protocols Yes PROFINET IO Controller Yes | Analog value generation for the inputs | |
| max. • Integration time, parameterizable • Conversion time (per channel) Encoder Connectable encoders • 2-wire sensor 1. Interface Interface type PROFINET Physics Ethernet Isolated automatic detection of transmission rate Autonegotiation Autocrossing Protocols • PROFINET Yes | Integration and conversion time/resolution per channel | |
| | Resolution with overrange (bit including sign), | 10 bit |
| Conversion time (per channel) Encoder Connectable encoders | max. | |
| Encoder Connectable encoders • 2-wire sensor Yes 1. Interface Interface type PROFINET Physics Ethernet Isolated yes automatic detection of transmission rate Autoregotiation Autocrossing Protocols • PROFINET IO Controller Yes | Integration time, parameterizable | Yes |
| Connectable encoders • 2-wire sensor 1. Interface Interface type PROFINET Physics Ethernet Isolated Yes automatic detection of transmission rate Autonegotiation Autocrossing Protocols • PROFINET IO Controller Yes | Conversion time (per channel) | 625 µs |
| ● 2-wire sensor 1. Interface Interface type PROFINET Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autonegotiation Autocrossing Protocols ● PROFINET IO Controller Yes | Encoder | |
| 1. Interface Interface type PROFINET Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autonegotiation Yes Autocrossing Yes Protocols • PROFINET IO Controller Yes | Connectable encoders | |
| Interface type PROFINET Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autonegotiation Yes Autocrossing Yes Protocols • PROFINET IO Controller Yes | • 2-wire sensor | Yes |
| Physics Ethernet Isolated Yes automatic detection of transmission rate Yes Autonegotiation Yes Autocrossing Yes Protocols • PROFINET IO Controller Yes | | |
| Isolated Automatic detection of transmission rate Autonegotiation Autocrossing Protocols PROFINET IO Controller Yes Yes Yes | | |
| automatic detection of transmission rate Autonegotiation Yes Autocrossing Protocols PROFINET IO Controller Yes Yes | | |
| Autonegotiation Yes Autocrossing Yes Protocols • PROFINET IO Controller Yes | | |
| Autocrossing Yes Protocols • PROFINET IO Controller Yes | automatic detection of transmission rate | Voo |
| Protocols • PROFINET IO Controller Yes | | |
| PROFINET IO Controller Yes | | Yes |
| | Autocrossing | Yes |
| PROFINET IO Device Yes | Autocrossing | Yes Yes |
| | Autocrossing Protocols | Yes Yes |

| Open IE communication | Yes |
|--|--|
| Web server | Yes |
| PROFINET IO Controller | |
| Transmission rate, max. | 100 Mbit/s |
| Services | |
| Number of connectable IO Devices, max. | 16 |
| PROFINET IO Device | |
| 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 | |
| • MODBUS | Yes |
| Communication functions | |
| S7 communication | |
| • supported | Yes |
| • as server | Yes |
| • as client | Yes |
| Number of connections | |
| • overall | 16; dynamically |
| Test commissioning functions | |
| Status/control | |
| Status/control variable | Yes |
| • Variables | 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 | 4 |
| 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 interface | 4; With integrated DO |
| 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 | 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 |
| EMC | |
| Interference immunity against discharge of static electric | city |
| Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 | Yes |
| Test voltage at air discharge | 8 kV |
| Test voltage at contact discharge | 6 kV |
| Interference immunity to cable-borne interference | |
| Interference immunity on supply lines acc. to IEC 61000-4-4 | Yes |
| Interference immunity on signal cables acc. to IEC 61000-4-4 | Yes |
| Interference immunity against voltage surge | |
| • on the supply lines acc. to IEC 61000-4-5 | Yes |
| Interference immunity against conducted variable distur | bance induced by high-frequency fields |
| Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 | Yes |
| Emission of radio interference acc. to EN 55 011 | |
| • Limit class A, for use in industrial areas | Yes; Group 1 |

• Limit class 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 |
| Ambient conditions | |
| Free fall | |
| • Fall height, max. | 0.3 m; five times, in product package |
| Ambient temperature during operation | |
| • min. | -20 °C; = Tmin; Startup @ 0 °C |
| • max. | 60 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical |
| horizontal installation, min. | -20 °C |
| horizontal installation, max. | 60 °C |
| • vertical installation, min. | -20 °C |
| • vertical installation, max. | 50 °C |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Altitude during operation relating to sea level | |
| Installation altitude above sea level, max. | 5 000 m |
| Ambient air temperature-barometric pressure- altitude | Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // 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 +5 000 m) |
| Relative humidity | |
| With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions) |
| Vibrations | |
| Vibration resistance during operation acc. to IEC 60068-2-6 | 2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail |
| Operation, tested according to IEC 60068-2-6 | Yes |
| Shock testing | |
| • tested according to IEC 60068-2-27 | Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms |
| Resistance | |
| Coolants and lubricants | |
| Resistant to commercially available coolants and lubricants | Yes |
| Use in stationary industrial systems | |
| to biologically active substances according to EN 60721-3-3 | Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request |

Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-— to chemically active substances according to EN 60721-3-3 52 (severity degree 3); * Yes; Class 3S4 incl. sand, dust, * — to mechanically active substances according to EN 60721-3-3 Use on ships/at sea Yes; Class 6B2 mold and fungal spores (excluding fauna); Class - to biologically active substances according to EN 60721-3-6 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-— to chemically active substances according to EN 60721-3-6 52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; * - to mechanically active substances according to EN 60721-3-6 Remark * The supplied plug covers must remain in place over the unused - Note regarding classification of interfaces during operation! environmental conditions acc. to EN 60721

| Configuration | |
|-----------------------|--------|
| Programming | |
| Programming language | |
| — LAD | Yes |
| — FBD | Yes |
| — SCL | Yes |
| Cycle time monitoring | |
| adjustable | Yes |
| Dimensions | |
| Width | 90 mm |
| Height | 100 mm |
| Depth | 75 mm |
| Weights | |
| Weight, approx. | 370 g |

07/29/2018

last modified: