SIEMENS

Data sheet

6AG1215-1HG40-5XB0

SIPLUS S7-1200 CPU 1215C DC/DC/relay -40...+60 °C with conformal coating Signal board usable based on 6ES7215-1HG40-0XB0 . compact CPU, DC/DC/relay, 2 PROFINET ports, onboard I/O: "14 DI 24 V DC; 10 DO relay 2 A; 2 AI 0-10 V DC, Power supply: AC 20.4-28.8V DC, Program/data memory 100 KB



| General information | |
|---|--|
| Product type designation | CPU 1215C DC/DC/relay |
| Firmware version | V4.1 |
| Engineering with | |
| Programming package | STEP 7 V13 SP1 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 |
| permissible range, lower limit (DC) | 5 V |
| • permissible range, upper limit (DC) | 250 V |
| Input current | |
| Current consumption (rated value) | 500 mA; CPU only |
| Current consumption, max. | 1 500 mA; CPU with all expansion modules |
| Inrush current, max. | 12 A; at 28.8 V DC |

| Encoder supply | |
|---|---|
| 24 V encoder supply | |
| • 24 V | L+ minus 4 V DC min. |
| Davier land | |
| Power loss Power loss, typ. | 12 W |
| Fower loss, typ. | 1Z VV |
| Memory | |
| Work memory | |
| • integrated | 100 kbyte |
| • expandable | No |
| Load memory | |
| • integrated | 4 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. | 2.5 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 |
| OB | |
| • Number, max. | Limited only by RAM for code |
| Data areas and their retentivity | |
| Retentive data area (incl. timers, counters, flags), | 10 kbyte |
| max. | |
| Flag | |
| Number, max. | 8 kbyte; Size of bit memory address area |
| Address area | |
| Process image | |
| ● Inputs, adjustable | 1 kbyte |
| Outputs, adjustable | 1 kbyte |
| Hardware configuration | |
| Number of modules per system, max. | 3 comm. modules, 1 signal board, 8 signal modules |
| Time of day | |
| Clock | |
| Hardware clock (real-time) | Yes |

| Backup time | 480 h; Typical |
|--|--|
| Deviation per day, max. | ±60 s/month at 25 °C |
| Digital inputs | |
| Number of digital inputs | 14; 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. | 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 | 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 |

| Digital outputs | |
|---|-----------------------------|
| Number of digital outputs | 10; Relays |
| Switching capacity of the outputs | |
| • with resistive load, max. | 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 |

• unshielded, max.

300 m; For technological functions: No

| Number of operating cycles, max. | mechanically 10 million, at rated load voltage 100 000 |
|---|--|
| Cable length | |
| • shielded, max. | 500 m |
| • unshielded, max. | 150 m |
| | |
| Analog inputs Number of analog inputs | 2 |
| Input ranges | 2 |
| | Yes |
| Voltage | Tes |
| Input ranges (rated values), voltages | Yes |
| • 0 to +10 V | |
| • Input resistance (0 to 10 V) | ≥100k ohms |
| Cable length | 400 |
| • shielded, max. | 100 m; twisted and shielded |
| Analog outputs | |
| Number of analog outputs | 2 |
| Output ranges, current | |
| • 0 to 20 mA | Yes |
| 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 |
| Conversion time (per channel) | 625 µs |
| Analan alan ananan kan Santha antanta | |
| Analog value generation for the outputs Integration and conversion time/resolution per channel | |
| | 10 bit |
| Resolution with overrange (bit including sign), max. | 10 Dit |
| | |
| 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 |
| PROFINET IO Device | Yes; Also simultaneously with IO-Device functionality |

| Transmission rate, max. Services Number of connectable IO Devices, max. PROFINET IO Device Services Supports protocol for PROFINET IO Yes PROFIBUS Ves; CM 1243-5 required As-Interface Yes Protocols (Ethernet) TCP/IP Yes Protocols (Ethernet) TCP/IP Yes SO-on-TCP (RFC1006) UDP Yes Ves Ves Further protocols Yes Further protocols Yes Communication functions S7 communication S7 communication S7 communication S7 communication S7 communication S7 communication S8 server S9 as client Yes Number of connections Tell Yes Number of connections S1 ctaus/control variable Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Forcing Forcing Yes Present Yes Yes Yes Yes Traces | PROFINET IO Controller | |
|--|--|-------------------------|
| Number of connectable IO Devices, max. PROFINET IO Device Services Shared device Number of IO Controllers with shared device, max. Protocols Supports protocol for PROFINET IO PROFIBUS States device Yes Protocols (Ethernet) TCP/IP Yes TCP/IP Yes Open IE communication TCP/IP Yes Supported Supported Supported User-defined websites Further protocols MODBUS Communication functions ST communication supported sa server sa scient Supported sa server sa scient Status/control Status/control Status/control Status/control Status/control Status/control variable Variables Forcing | Transmission rate, max. | 100 Mbit/s |
| PROFINET IO Device Services — Shared device Yes — Number of IO Controllers with shared device, max. Protocols Supports protocol for PROFINET IO Yes Supports protocol for PROFINET IO Yes Protocols (Ethernet) • TCP/IP Yes Open IE communication • TCP/IP Yes Open IE communication • TCP/IP Yes UDP Yes • SOO-n-TCP (RFC1006) • UDP Yes • USO-on-TCP (RFC1006) • USP Web server • supported • User-defined websites Further protocols • MODBUS Yes Communication functions \$7 communication • supported • as server • as client • as client Number of connections • overall Test commissioning functions Status/control variable • Variables • Forcing Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Test commissioning Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Test commissioning Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Test commissioning Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Test commissioning • Forcing Forcing Test commissioning Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Test commissioning Yes | Services | |
| Services - Shared device - Number of IO Controllers with shared device, max. Protocols Supports protocol for PROFINET IO Yes PROFIBUS AS-Interface Yes Protocols (Ethernet) • TCP/IP • TCP/IP Open IE communication • TCP/IP ISO-on-TCP (RFC1006) • UDP Yes Web server • supported • Supported • User-defined websites Yes Protocols • MODBUS Yes Communication • Yes Communication • Test communication • Yes Number of connections Status/Control • Status/Control variable • Yes Forcing • Forcing • Forcing Diagnostic buffer • present Yes Yes Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing • Forcing • Forcing • Forcing • Present | Number of connectable IO Devices, max. | 16 |
| - Shared device - Number of IO Controllers with shared device, max. Protocols Supports protocol for PROFINET IO PROFIBUS AS-Interface Protocols (Ethernet) • TCP/IP • TCP/IP • ISO-on-TCP (RFC1006) • UDP Yes Web server • supported • User-defined websites Puther protocols • MODBUS Yes Communication • Status/control • Status/control • Status/control • Status/control • Status/control • Status/control • Status/control • Status/control • Forcing • Forcing Protocols Yes Yes 2 Yes Yes Yes Yes Yes | PROFINET IO Device | |
| Number of IO Controllers with shared 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 UDP Yes Ves Ves Ves Ves Ves Ves Ves | Services | |
| 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 \$7 communication • supported Yes • as server Yes • as client Yes Number of connections • overall 16; dynamically Test commissioning functions Status/control • Status/control variable • Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Yes Diagnostic buffer • present Yes | — Shared device | Yes |
| Protocols Supports protocol for PROFINET IO PROFIBUS Yes; CM 1243-5 required AS-Interface Yes Protocols (Ethernet) • TCP/IP Yes Open IE communication • TCP/IP • ISO-on-TCP (RFC1006) • UDP Yes Web server • supported User-defined websites Further protocols • MODBUS Yes Communication • supported • as server • as client Yes Number of connections Status/control • Forcing • Forcing • Forcing • Forcing Present Yes Diagnostic buffer • present Yes | Number of IO Controllers with shared | 2 |
| Supports protocol for PROFINET IO PROFIBUS Yes; CM 1243-5 required AS-Interface Protocols (Ethernet) • TCP/IP Ves Open IE communication • TCP/IP • ISO-on-TCP (RFC1006) • UDP Web server • supported • User-defined websites Further protocols • MODBUS Communication functions S7 communication • supported • as server • as elient Number of connections • overall Test commissioning functions Status/control • Status/control • Status/control • Status/control • Status/control • Status/control • Forcing • Forcing • Forcing • Forcing Diagnostic buffer • present Yes Yes Yes Yes Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Present Yes Pass Pass Yes Pass Pas | device, max. | |
| PROFIBUS AS-Interface Protocols (Ethernet) • TCP/IP • TCP/IP • ISO-on-TCP (RFC1006) • UDP Web server • supported • User-defined websites • MODBUS Communication • supported • as server • as client • as server • as client Number of connections Status/control • Forcing • Forcing • Forcing • Forcing Pess Ves Ves Ves Ves Ves Ves Ve | Protocols | |
| AS-Interface Yes Protocols (Ethernet) TCP/IP Yes Open IE communication TCP/IP Yes ISO-on-TCP (RFC1006) 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 Status/control Status/control Status/control Forcing Forcing Forcing Yes Diagnostic buffer present Yes | Supports protocol for PROFINET IO | Yes |
| Protocols (Ethernet) • TCP/IP • TCP/IP Open IE communication • TCP/IP • ISO-on-TCP (RFC1006) • UDP Ves Web server • supported • User-defined websites Further protocols • MODBUS Communication functions S7 communication • supported • as server • as client Number of connections • overall Test commissioning functions Status/control • Status/control variable • Variables Forcing • Forcing Present Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Present Yes Diagnostic buffer • present Yes | PROFIBUS | Yes; CM 1243-5 required |
| • TCP/IP Open IE communication • TCP/IP • ISO-on-TCP (RFC1006) • UDP Yes Web server • supported • User-defined websites Further protocols • MODBUS S7 communication functions S7 communication • supported • as server • as client Number of connections • overall Test commissioning functions Status/control • Status/control • Status/control variable • Variables Forcing • Forcing • Forcing Present Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Present Yes Present Yes | AS-Interface | Yes |
| Open IE communication • TCP/IP • ISO-on-TCP (RFC1006) • UDP Web server • supported • User-defined websites Further protocols • MODBUS Yes Communication functions \$7 communication • supported • as server • as client Number of connections • overall 16; dynamically Test commissioning functions Status/control • Status/control variable • Variables Forcing • Forcing • Forcing • Forcing • present Yes Yes Ves Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing • present Yes Pyes | Protocols (Ethernet) | |
| ■ TCP/IP ■ ISO-on-TCP (RFC1006) ■ UDP Yes Web server ■ supported ■ User-defined websites Yes Further protocols ■ MODBUS Communication functions S7 communication ■ supported Yes Yes Yes Communication functions S7 communication ■ supported Yes Number of connections ■ overall 16; dynamically Test commissioning functions Status/control ■ Status/control variable ■ Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing ■ Forcing ■ Forcing Nes Diagnostic buffer ● present Yes Yes | • TCP/IP | Yes |
| IsO-on-TCP (RFC1006) UDP Yes Web server supported User-defined websites Yes Further protocols MODBUS Yes Communication functions \$7 communication supported Yes as server Yes as client Yes Number of connections Status/control Status/control Status/control variable Variables Forcing Forcing Forcing Present Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Present Yes Diagnostic buffer Present Yes | Open IE communication | |
| UDP Yes Web server supported User-defined websites Yes Further protocols MODBUS Yes Communication functions \$7 communication supported Yes as server Yes as client Number of connections Ves Number of connections Status/control Status/control Status/control Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Forcing Forcing Pesent Yes Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Pesent Yes Pese Yes Pese Pesent | • TCP/IP | Yes |
| Web server | • ISO-on-TCP (RFC1006) | Yes |
| Supported User-defined websites Yes Further protocols MODBUS Yes Communication functions S7 communication Syported Sy | • UDP | Yes |
| User-defined websites Further protocols MODBUS Yes Communication functions S7 communication S1 communication S2 communication S3 communication S4 communication S5 communication Yes As server As server As client Yes Number of connections Overall Test commissioning functions Status/control Status/control Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Forcing Forcing Yes Diagnostic buffer Opresent Yes | Web server | |
| Further protocols • MODBUS Yes Communication functions \$7 communication • supported • as server • as client Number of connections • overall Test commissioning functions Status/control • Status/control variable • Variables Forcing • Forcing • Forcing Diagnostic buffer • present Yes Yes Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Yes Diagnostic buffer • present Yes | • supported | Yes |
| MODBUS Yes Communication functions S7 communication supported Yes as server as client Number of connections overall Test commissioning functions Status/control Status/control Status/control variable Variables Forcing Forcing Forcing Present Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Yes Diagnostic buffer Present Yes | User-defined websites | Yes |
| Communication functions S7 communication • supported • as server • as client Number of connections • overall Test commissioning functions Status/control • Status/control variable • Variables Forcing • Forcing • Forcing Diagnostic buffer • present Yes Yes Yes Yes Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Yes Diagnostic buffer • present Yes | Further protocols | |
| S7 communication • supported • supported • as server • as client Number of connections • overall 16; dynamically Test commissioning functions Status/control • Status/control variable • Variables Forcing • Forcing • Forcing • Forcing • present Yes Yes Yes | • MODBUS | Yes |
| supported as server as client Yes Number of connections overall 16; dynamically Test commissioning functions Status/control Status/control variable Variables Variables Forcing Forcing Forcing Persent Pes Yes Ves Ves Diagnostic buffer Yes Yes | Communication functions | |
| as server as client Yes Number of connections overall 16; dynamically Test commissioning functions Status/control Status/control variable Variables Variables Forcing Forcing Forcing Present Yes Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Yes Yes Yes | S7 communication | |
| as client Yes Number of connections overall 16; dynamically Test commissioning functions Status/control Status/control variable Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Forcing Yes Diagnostic buffer present Yes | • supported | Yes |
| Number of connections | • as server | Yes |
| ● overall Test commissioning functions Status/control ● Status/control variable ● Variables Forcing ● Forcing Procing Procing Procing Procing Procing Yes Diagnostic buffer ● present 16; dynamically Yes Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Yes | • as client | Yes |
| Test commissioning functions Status/control • Status/control variable • Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing • Forcing Piagnostic buffer • present Yes | Number of connections | |
| Status/control Status/control variable Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Forcing Yes Diagnostic buffer present Yes | • overall | 16; dynamically |
| Status/control variable Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Forcing Yes Diagnostic buffer present Yes | Test commissioning functions | |
| Variables Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters Forcing Forcing Yes Diagnostic buffer present Yes | Status/control | |
| Forcing • Forcing Oliagnostic buffer • present Yes Yes | Status/control variable | |
| Forcing Diagnostic buffer ◆ present Yes | Variables | |
| Diagnostic buffer • present Yes | Forcing | |
| • present Yes | • Forcing | Yes |
| · | Diagnostic buffer | |
| Traces | • 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 interface | Up to 4 with SB 1222 |
| PID controller | Yes |
| Number of alarm inputs | 4 |
| Potential separation | |

| Potential separation | |
|--|----------------------|
| Potential separation digital inputs | |
| Potential separation digital inputs | 500V AC for 1 minute |
| between the channels, in groups of | 1 |
| Potential separation digital outputs | |
| Potential separation digital outputs | Relays |
| between the channels | No |
| between the channels, in groups of | 2 |

| EMC | | |
|---|--|--|
| Interference immunity against discharge of static electricity | | |
| Interference immunity against discharge of | Yes | |
| static electricity acc. to IEC 61000-4-2 | | |
| Test voltage at air discharge | 8 kV | |
| Test voltage at contact discharge | 6 kV | |
| Interference immunity to cable-borne interference | | |
| • Interference immunity on supply lines acc. to | Yes | |
| IEC 61000-4-4 | | |
| • Interference immunity on signal cables acc. to | 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 disturbance induced by high-frequency fields | | |
| Interference immunity against high-frequency | Yes | |
| radiation acc. to IEC 61000-4-6 | | |
| Emission of radio interference acc. to EN 55 011 | | |
| Limit class A, for use in industrial areas | Yes; Group 1 | |
| Limit class B, for use in residential areas | Yes; When appropriate measures are used to ensure compliance | |

| Degree and class of protection | |
|---------------------------------------|-----|
| Degree of protection acc. to EN 60529 | |
| ● IP20 | Yes |

with the limits for Class B according to EN 55011

| Standards, approvals, certificates | |
|---|---|
| CE mark | Yes |
| Ambient conditions | |
| Free fall | |
| • Fall height, max. | 0.3 m; five times, in product package |
| Ambient temperature during operation | |
| • min. | -40 °C; = Tmin; Startup @ -25 °C |
| • max. | 60 °C; = Tmax; Tmax > +55 °C number of simultaneously switched-on digital inputs 7, digital outputs 5, analog inputs 2, analog outputs 2 (no adjacent points) with horizontal mounting position |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Altitude during operation relating to sea level | |
| Installation altitude above sea level, max. | 2 000 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); above 2 000 m max. 132 V AC |
| 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 |
| to chemically active substances according to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| to mechanically active substances according to EN 60721-3-3 | Yes; Class 3S4 incl. sand, dust, * |
| Use on ships/at sea | |
| — to biologically active substances according to EN 60721-3-6 | Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request |

— to chemically active substances according to EN 60721-3-6

— to mechanically active substances according to EN 60721-3-6

Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *

Yes; Class 6S3 incl. sand, dust; *

Remark

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

| CHAIRCHITICHTAL COLLABOR 200. TO FLA 2017 1 | mionacco daming operations |
|---|----------------------------|
| Configuration | |
| Programming | |
| Programming language | |
| — LAD | Yes |
| — FBD | Yes |
| — SCL | Yes |
| Cycle time monitoring | |
| adjustable | Yes |
| Dimensions | |
| Width | 130 mm |
| Height | 100 mm |
| Depth | 75 mm |
| Weights | |
| Weight, approx. | 585 g |
| last modified: | 07/31/2018 |