## SIEMENS

## Data sheet

## 6AG1215-1BG40-4XB0



SIPLUS S7-1200 CPU 1215C AC/DC/relay based on 6ES7215-1BG40-0XB0 with conformal coating, -20...+60 °C, compact CPU, AC/DC/relay, onboard I/O: 14 DI 24 V DC 10 DQ relay 2 A 2 AI 0-10 V DC 2 AQ 0-20 mA DC power supply: 85-264 V AC @ 47-63 Hz, program/data memory 125 KB

Figure	

General information	
Product type designation	CPU 1215C AC/DC/relay
Firmware version	V4.1
based on	6ES7215-1BG40-0XB0
Engineering with	
<ul> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	see entry ID: 109746275
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)	265 V
Line frequency	
<ul> <li>permissible range, lower limit</li> </ul>	47 Hz
<ul> <li>permissible range, upper limit</li> </ul>	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
Encoder supply	
24 V encoder supply	
• 24 V	20.4 to 28.8V
Power loss	
Power loss, typ.	12 W
Memory	
Work memory	
integrated	125 kbyte
Load memory	
<ul> <li>integrated</li> </ul>	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.	2.5 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), max.	10 kbyte
Flag     • Size, max.	8 kbyte; Size of bit memory address area
Address area	o koyic, olze of bit memory 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	
<ul> <li>Hardware clock (real-time)</li> </ul>	Yes
Backup time	480 h; Typical
<ul> <li>Deviation per day, max.</li> </ul>	±60 s/month at 25 °C
Digital inputs	
Number of digital inputs	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	24 V
<ul> <li>Rated value (DC)</li> <li>for signal "0"</li> </ul>	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	Yes; 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
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	1 Hz
<ul> <li>of the pulse outputs, with resistive load, max.</li> <li>Relay outputs</li> </ul>	1112
Number of relay outputs	10
Number of operating cycles, max.	mechanically 10 million, at rated load voltage 100 000
Cable length	incontinuity to minion, at fallor four foldage for 000
shielded, max.	500 m
• unshielded, max.	150 m
Analog inputs	

	0
Number of analog inputs	2
Input ranges	
Voltage	Yes
Input ranges (rated values), voltages	
• 0 to +10 V	Yes
— Input resistance (0 to 10 V)	≥100k ohms
Cable length	
• 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	
<ul> <li>Resolution with overrange (bit including sign), max.</li> </ul>	10 bit
<ul> <li>Integration time, parameterizable</li> </ul>	Yes
Conversion time (per channel)	625 µs
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
<ul> <li>Resolution with overrange (bit including sign), max.</li> </ul>	10 bit
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
RJ 45 (Ethernet)	Yes
Protocols	
PROFINET IO Controller	Yes
PROFINET IO Device	Yes; Also simultaneously with IO-Device functionality
PROFINET IO Controller	
Transmission rate, max.	100 Mbit/s
Services	
- Number of connectable IO Devices, max.	16
PROFINET IO Device	
Services	
— Shared device	Yes
<ul> <li>— Number of IO Controllers with shared device, max.</li> </ul>	2
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
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
Webserver	
supported	Yes
User-defined websites	Yes
Further protocols	
MODBUS	Yes
communication functions / header	
S7 communication	

<ul> <li>supported</li> </ul>	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	
<ul> <li>Number of configurable Traces</li> </ul>	2; Up to 512 KB of data per trace are possible
Integrated Functions	
Counter	
Number of counters	6
<ul> <li>Counting frequency, max.</li> </ul>	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 digital inputs	
Potential separation digital inputs	500V AC for 1 minute
<ul> <li>between the channels, in groups of</li> </ul>	1
Potential separation digital outputs	
Potential separation digital outputs	Relays
between the channels	No
	2
between the channels, in groups of EMC	2
Interference immunity against discharge of static electricity	Vee
<ul> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2</li> </ul>	Yes
— Test voltage at air discharge	8 kV
— Test voltage at contact discharge	6 kV
Interference immunity to cable-borne interference	
Interference immunity or supply lines acc. to IEC 61000-	Yes
4-4	
• Interference immunity on signal cables acc. to IEC 61000-	Yes
4-4	
Interference immunity against voltage surge	
<ul> <li>Interference immunity on supply lines acc. to IEC 61000-</li> </ul>	Yes
4-5	and hu high frequency fields
Interference immunity against conducted variable disturbance indu	
<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 A, for use in industrial areas	Yes; When appropriate measures are used to ensure compliance with the limits
- Entry order D, for use in residential aleas	for Class B according to EN 55011
Degree and class of protection	
IP degree of protection	IP20
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	
min.	-20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C
	60 °C; Number of simultaneously activated inputs or outputs 7 or 5 (no adjacent
• max.	ou o, Number of simultaneously activated inputs of outputs 7 or 5 (no adjacent

A todi sestart, min.     All C      Arnharet simple abuse during aboregativa aportanom     indication provide a level     indication     indindication     indication     indication		points) at 60 °C horizontal or 50 °C vertical, 14 or 10 at 55 °C horizontal or 45 °C vertical
Antiact temprature during abcage/transportation         -0 °C           • mix.         -0 °C           • mix.         70 °C           • mix.         -0 °C           • hibition atrained above sale level, max.         -0 °C           • hibition atrained above sale level, max.         -0 °C           • Antione atrained bit in according to IEC 0008-2-0         10 %C File Codesation (not only codesation according to IEC 0008-2-27           • Visition codesation factoring to IEC 0008-2-27         Yes           • Isoback testing         -0 °C           • Isoback testing         -0 °C           • Isoback testing         -0 °C           • Isoback testing to codesation according to IEC 0008-2-27         Yes           • Isoback testing         -0 °C           • Isoback testing         -0 °	• At cold restart, min.	
ARUAGE         2010           ARUAGE basing sequencing entailing base level, max.         2.000 mt           • Installation attrude above sea level, max.         2.000 mt           • Installation attrude above sea level, max.         2.000 mt           • Installation attrude above sea level, max.         2.000 mt           • Installation attrude above sea level, max.         2.000 mt           • Installation attrude above sea level, max.         1.00% f. FH ind. condensation/ited for condensation           • With condensation, itseld according to IEC 60088-24         2 (mts <sup>2</sup> ) wall mounting, 1 g (mts <sup>2</sup> ) DIN rail           • Use and mounting to IEC 60088-24         Yee           • Stand according to IEC 60088-24         Yee           • Operation, itseld according to IEC 60088-24         Yee           • Stand according to IEC 60088-24         Yee           • Install and luticants         Yee: (EC 68, Parl 22 half-sine: strength of the shock 16 g (peak value).           • Installation and luticants         Yee: (Class 382 mold, fungus and dy not spores (with the exception of fauna):           • Installation installation stands according to EN         Yee: (Class 382 mold, fungus and dy not spores (with the exception of fauna):           • In enclaneally active substances according to EN         Yee: (Class 382 mold, fungus and dy not spores (with the exception of fauna):           • In enclaneally active substances according to EN		
Attrace during operation relating to sea level         or           • Induition allubic above sea level, max.         Time	• min.	-40 °C
Analysis and althoug above sea level, max.     Analysis and level at according to IEC 60088-24     Analysis and level and according to IEC 60088-24     Analysis and level and according to IEC 60088-24     Analysis     Analysis     Analysis and level and according to IEC 60088-24     Analysis	• max.	70 °C
Antibent air temperature baronetric pressure altitude     Thm , Thax at 1140 HPa (755 Pa) (100 m) 2000 m) 21000 m; 2000 m 2100 m) 21000 m) 21000 m 2100 m) 21000 m 2100 m) 21000 m 2100 m) 21000 m max. 123 VAC     Stepha S40 HPa (150 00 m) 21000 m) 21000 m) 21000 m max. 123 VAC     Stepha S40 HPa (150 00 m) 21000 m) 21000 m) 21000 m max. 123 VAC     Stepha S40 HPa (150 00 m) 21000 m) 21000 m) 21000 m max. 123 VAC     Stepha S40 HPa (150 00 m) 21000 m) 21000 m) 21000 m max. 123 VAC     Stepha S40 HPa (150 00 m) 2100 m) 21000 m max. 123 VAC     Stepha S40 HPa (150 00 m) 2100 m) 21000 m max. 123 VAC     Stepha S40 HPa (150 00 m) 2100 m) 2100 m max. 123 VAC     Stepha S40 HPA (150 00 m) 2100 m max. 123 VAC     Stepha S40 HPA (150 m) 2100 m) 2100 m max. 123 VAC     Stepha S40 HPA (150 m) 2100 m) 2100 m max. 123 VAC     Stepha S40 HPA (150 m) 2100 m) 2100 m max. 123 VAC     Stepha S40 HPA (150 m) 2100 m) 2100 m) 2100 m max. 123 VAC     Stepha S40 HPA (150 m) 210 m max. 123 VAC     Stepha S40 HPA (150 m) 210 m max. 123 VAC     Stepha S40 HPA (150 m) 210 m max. 123 VAC     Stepha S40 HPA (150 m) 210 m max. 123 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 m max. 120 VAC     Stepha S40 HPA (150 m) 210 MPA (150 m)	Altitude during operation relating to sea level	
- 10 kj ar 26 hPa 650 hPa 50 00 m 4 3000 m 4		
Whit condensation, lested in accordance with EC 6008- 23, max.     Vibration     • V	Ambient air temperature-barometric pressure-altitude	- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K)
2-36, max.     conditions)       Voltations     enditions)       • Voltation resistance during operation acc. to IEC 60068- 2-6     2 g (m/s <sup>4</sup> ) wall mounting, 1 g (m/s <sup>4</sup> ) DIN rall       • Operation, tested according to IEC 60068-2-7     Yes.       Shock testing     • (Edd 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       Resistance     • (Edd 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       • (Edd 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       • (Edd 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       • (Edd 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       • (Edd 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       • (Edd 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       • (Edd 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       • (Edd 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       • (Edd according to IEC 60068-20     Yes. (IEC 68, Part 2-27 half-sine: strength of the shoce		
Vibration resistance during operation acc. to IEC 6008- 2 g (m/s <sup>4</sup> ) wall meuning. 1 g (m/s <sup>4</sup> ) DIN rail 2 g (m/s <sup>4</sup> ) wall meuning. 1 g (m/s <sup>4</sup> ) DIN rail 2 g (m/s <sup>4</sup> ) wall meuning. 1 g (m/s <sup>4</sup> ) DIN rail 4 estated according to IEC 6008-2.47 4 est 4 estated according to IEC 6008-2.27 4 est 4 est let d according to IEC 7 4 est let d according to EN 60068-2.52 (sevenity d agree 3). 4 est let d according to EN 60068-2.52 (sevenity d agree 3). 4 est let d according to EN 60068-2.52 (sevenity d agree 3). 4 est let d according to EN 60068-2.52 (sevenity d agree 3). 4 est let d according to EN 60068-2.52 (sevenity d agree 3). 4 est let d according to EN 60068-2.52 (sevenity d agree 3). 4 est let d according to EN 600721-3.6 4 est let d according to EN 600721-3.6 4 est let d according to EN 600721-3.3 d ass 32.4 est manful gas concentrations up to the limits of EN 60721-3.3 d ass 32.4 est manful gas concentrations up to the limits of EN 60721-3.3 d ass 32.4 est manful gas concentrations up to the limits of EN 60721-3.3 d ass 32.4 est manful gas concentrations up to the limits of EN 60721-3.3 d ass 32.4 est manful gas concentrations up to the limits of EN 60721-3.3 d ass 32.4 est manful gas concentrations up to the limits of EN 60721-3.3 d ass 32.4 est manful gas concentrations up to the limits of EN 60721-3.3 d ass 32.4 est manful gas concentrations up to the limits	2-38, max.	
2-6     Yes       • Operation, tested according to EC 60068-2-6     Yes       Shock testing     Ves; EC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms       • Cestering and bubblicants     Ves; EC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms       • Cestering and bubblicants     Ves; Incl. desel and oil droptets in the air       • Disdipically active substances according to EN     Yes; Incl. desel and oil droptets in the air       • Operations, tested according to EN     Yes; Incl. desel and oil droptets in the air       • Disdipically active substances according to EN     Yes; Class 322 mold, fungus and dry rot spores (with the exception of fauna); Class 383 on request       • ob tologically active substances according to EN     Yes; Class 322 (RH < 75 %) incl. sait spray acc. to EN 60068-2-52 (severity degree 3); *		
Shock testing <ul> <li>elsted according to EC 60068-2-27</li> <li>Yes; EC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms</li> <li>resistant to commercially available coolants and ubricants</li> <li>Resistant to commercially available coolants and ubricants</li> <li>Resistant to commercially availes 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 60721-3-4</li> <li>To mechanically active substances according to EN 60721-3-3</li> <li>To mechanically active substances according to EN 60721-3-4</li> <li></li></ul>	2-6	
• tested according to IEC 60068-2:27     Ves: IEC 68, Part 2:27 half-sine: strength of the shock 15 g (pask value),     duration 11 ms     duration 11 ms     Colorins and lubricants         —Resistance         —Resistance         —Resistance         —Resistant to commercially available coolants and         Lubricants         —Resistant to commercially active substances according to EN         G0721-3:3         —To biologically active substances according to EN         G0721-3:3         —To mechanically active substances according to EN         G0721-3:4         —To biologically active substances according to EN         G0721-3:4         —To biologically active substances according to EN         G0721-3:4         —To themically active substances according to EN         G0721-3:4         —To acherically active substances according to EN         G0721-1:4         —To acherically active substanc		Yes
Resistance         Main and the content is the second of the substances according to EN or the content is and the substances according to EN or the content is and the substances according to EN or the content is and the substances according to EN or the content is and the substances according to EN or the content is and the substances according to EN or the micro and the substances according to EN or the micro and the substances according to EN or the control system sance. to ANS/ISA-71.04 Yes; Class 3 (excluding trichlorethylene; harmful gas concentrations and to the limits of the Nor21-3-3 class 3 C4 permissible); level LC3 (eat spray) and level LB3 (oil)           Remark         * The supplied plug covers must remain in place over the unused interfaces down and for possible during possible during possible during service life Yes; Class A C ording the Nor21-1 S-1 S-1 S-1 S-1 S-1 S-1 S-1 S-1 S-1		
Coolants and lubricants	Posistance	duration it his
Resistant to commercially available coolants and lubricants     Yes; Incl. diesel and oil droplets in the air       Use in stationary industrial systems		
	- Resistant to commercially available coolants and	Yes; Incl. diesel and oil droplets in the air
60721-3.3     degree 3); *       to mechanically active substances according to EN     Yes; Class 354 incl. sand, dust, *       0721-3.3     Wes on ships/st sea       to biologically active substances according to EN     Yes; Class 662 mold and fungal spores (excluding fauna); Class 663 on request       to chemically active substances according to EN     Yes; Class 662 (RH < 75 %) incl. sant spray acc. to EN 60066-2-52 (severity degree 3); *		
60721-3.3       Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request		
		Yes; Class 3S4 incl. sand, dust, *
60721-3-6       request         to chemically active substances according to EN       Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *	Use on ships/at sea	
60721-3-6     degree 3);*     degree 3);*     degree 3);*       - to mechanically active substances according to EN 60721-3-6     Yes; Class 6S3 incl. sand, dust;*       - Japainst chemically active substances acc. to EN 60654-4     Yes; Class 3 (excluding trichlorethylene) 60654-4       - Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04     Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)       Remark     - Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04     * The supplied plug covers must remain in place over the unused interfaces during operation!       Conformal coating     * The supplied plug covers must remain in place over the unused interfaces during operation!       • Coatings for printed circuit board assemblies acc. to EN 61086     Yes; Class 2 for high reliability       • Protection against fouling acc. to EN 60664-3     Yes; Type 1 protection       • Military testing according to MIL-1-4058C, Amendment 7     Yes; Discoloration of coating possible during service life       • Outification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC- CC-330A     Yes       configuration / header     Yes       Programming language     - LAD     Yes       - FBD     Yes       - SCL     Yes       programming / vede time monitoring / header     Yes <td>60721-3-6</td> <td>request</td>	60721-3-6	request
60721-3-6     Vaage in industrial process technology	60721-3-6	degree 3); *
	60721-3-6	Yes; Class 6S3 incl. sand, dust; *
606544       Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04       Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)         Remark       Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04       * The supplied plug covers must remain in place over the unused interfaces during operation!         Conformal coating       • Coatings for printed circuit board assemblies acc. to EN 60664-3       Yes; Class 2 for high reliability         • Coatings for printed circuit board assemblies acc. to EN 60664-3       Yes; Type 1 protection         • Protection against fouling acc. to EN 60664-3       Yes; Type 1 protection         • Military testing according to MIL-I-46058C, Amendment 7       Yes; Discoloration of coating possible during service life         • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A       Yes         configuration / header       Yes         Programming language       -         - LAD       Yes         - BD       Yes         - FBD       Yes         - FBD       Yes         - ordiustale       Yes         Programming / cycle time monitoring / header       Yes         • adjustable       Yes <td></td> <td>Vac: Class 2 (avaluding triphlarathylang)</td>		Vac: Class 2 (avaluding triphlarathylang)
and control systems acc. to ANSI/ISA-71.04       concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)         Remark	60654-4	
Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04       * The supplied plug covers must remain in place over the unused interfaces during operation!         Conformal coating		concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level
conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04       during operation!         Conformal coating          • Coatings for printed circuit board assemblies acc. to EN 61086       Yes; Class 2 for high reliability         • Protection against fouling acc. to EN 60664-3       Yes; Type 1 protection         • Military testing according to MIL-1-46058C, Amendment 7       Yes; Discoloration of coating possible during service life         • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC- CC-830A       Yes; Conformal coating, Class A         configuration / header          configuration / programming / header       Yes         — FBD       Yes         — SCL       Yes         programming / cycle time monitoring / header       Yes         • adjustable       Yes         Dimensions       Yes		
Coatings for printed circuit board assemblies acc. to EN 61086     Protection against fouling acc. to EN 60664-3     Yes; Type 1 protection     Military testing according to MIL-I-46058C, Amendment 7     Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC- CC-830A     Configuration / header     rogramming / header     Programming language	conditions acc. to EN 60721, EN 60654-4 and	
61086       Protection against fouling acc. to EN 60664-3       Yes; Type 1 protection         • Military testing according to MIL-I-46058C, Amendment 7       Yes; Discoloration of coating possible during service life         • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A       Yes; Conformal coating, Class A         configuration / header       Yes; Conformal coating, Class A         configuration / header       Yes         Programming language       Yes         - LAD       Yes         - FBD       Yes         - SCL       Yes         programming / cycle time monitoring / header       Yes         ordjustable       Yes         Dimensions       Yes		
<ul> <li>Military testing according to MIL-I-46058C, Amendment 7</li> <li>Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC- CC-830A</li> <li>configuration / header</li> <li>Programming language</li> <li>— LAD</li> <li>— FBD</li> <li>— SCL</li> <li>Yes</li> <li>Yes</li> <li>— SCL</li> <li>Yes</li> <li>Yes</li> <li>Diregramming / cycle time monitoring / header</li> <li>Yes</li> <li>Yes</li> </ul>		Yes; Class 2 for high reliability
Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC- CC-830A      Configuration / header      Configuration / programming / header      Programming language	<ul> <li>Protection against fouling acc. to EN 60664-3</li> </ul>	Yes; Type 1 protection
Compound for Printed Board Assemblies according to IPC- CC-830A       Image: Configuration / header         configuration / programming / header       Forgramming language         - LAD       Yes         - FBD       Yes         - SCL       Yes         programming / cycle time monitoring / header       Yes         • adjustable       Yes         Dimensions       Yes	<ul> <li>Military testing according to MIL-I-46058C, Amendment 7</li> </ul>	Yes; Discoloration of coating possible during service life
configuration / programming / header         Programming language       Yes         - LAD       Yes         - FBD       Yes         - SCL       Yes         programming / cycle time monitoring / header       Yes         • adjustable       Yes         Dimensions       Yes	Compound for Printed Board Assemblies according to IPC- CC-830A	Yes; Conformal coating, Class A
Programming language         - LAD       Yes         - FBD       Yes         - SCL       Yes         programming / cycle time monitoring / header       Yes         • adjustable       Yes         Dimensions       Yes	configuration / header	
- LAD     Yes       - FBD     Yes       - SCL     Yes       programming / cycle time monitoring / header     Yes       • adjustable     Yes		
FBD     Yes       SCL     Yes       programming / cycle time monitoring / header     Yes       • adjustable     Yes       Dimensions     Yes		Van
- SCL Yes programming / cycle time monitoring / header • adjustable Yes Dimensions		
programming / cycle time monitoring / header       • adjustable       Dimensions		
• adjustable Yes Dimensions		
Dimensions		Yes
Width 130 mm		
	Width	130 mm

Height	100 mm
Height Depth	75 mm
Weights	
Weight, approx.	550 g
	<b>~</b> 1

last modified: