## **SIEMENS**

## **Data sheet**

## 6AG1134-6GD01-7BA1



SIPLUS ET 200SP AI 4xI 2-/4-wire standard based on 6ES7134-6GD01-0BA1 with conformal coating, -40...+70  $^{\circ}$ C, analog input module, suitable for BU type A0, A1, color code CC03, module diagnostics, 16-bit, +/-0.3%

General information	
Product type designation	Al 4xl 2-/4-wire ST
usable BaseUnits	BU type A0, A1
Color code for module-specific color identification plate	CC03
Product function	
■ I&M data	Yes; I&M0 to I&M3
<ul> <li>Isochronous mode</li> </ul>	No
Measuring range scalable	No
Operating mode	
<ul> <li>Oversampling</li> </ul>	No
• MSI	No
CiR - Configuration in RUN	
Reparameterization possible in RUN	Yes
Calibration possible in RUN	No
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
Current consumption, max.	37 mA; without sensor supply
Encoder supply	
24 V encoder supply	
• 24 V	Yes
<ul> <li>Short-circuit protection</li> </ul>	Yes
<ul> <li>Output current, max.</li> </ul>	20 mA; max. 50 mA per channel for a duration < 10 s
Power loss	
Power loss, typ.	0.85 W; Without encoder supply voltage
Address area	
Address space per module	
<ul> <li>Address space per module, max.</li> </ul>	8 byte; + 1 byte for QI information
Hardware configuration	
Automatic encoding	
Mechanical coding element	Yes
Selection of BaseUnit for connection variants	
• 2-wire connection	BU type A0, A1
4-wire connection	BU type A0, A1
Analog inputs	
Number of analog inputs	4; > 60 °C max. 1x ±20 mA permissible
permissible input current for current input (destruction	50 mA

15	
limit), max.	Current the heart conversion times and additional processing times
Cycle time (all channels), min.	Sum of the basic conversion times and additional processing times (depending on the parameterization of the active channels)
Input ranges (rated values), currents	(depending on the parameterization of the delive originality)
• 0 to 20 mA	Yes; 16 bit incl. sign
— Input resistance (0 to 20 mA)	100 $\Omega$ ; + approx. 0.7 V diode forward voltage in 2-wire operation
• -20 mA to +20 mA	Yes
— Input resistance (-20 mA to +20 mA)	100 Ω
• 4 mA to 20 mA	Yes; 15 bit
— Input resistance (4 mA to 20 mA)	100 $\Omega$ ; + approx. 0.7 V diode forward voltage in 2-wire operation
Cable length	100 12, * approx. c./ v aload forward voltage in 2 time operation
• shielded, max.	1 000 m
Analog value generation for the inputs	1 000 III
	integrating (Sigma Dolta)
Measurement principle Integration and conversion time/resolution per channel	integrating (Sigma-Delta)
	16 hit
Resolution with overrange (bit including sign), max.	16 bit
Integration time, parameterizable     Interference veltage suppression for interference	Yes
<ul> <li>Interference voltage suppression for interference frequency f1 in Hz</li> </ul>	16.6 / 50 / 60 Hz
Conversion time (per channel)	180 / 60 / 50 ms
Smoothing of measured values	
Number of smoothing levels	4; None; 4/8/16 times
parameterizable	Yes
Encoder	
Connection of signal encoders	Al-
for voltage measurement	No
for current measurement as 2-wire transducer	Yes
— Burden of 2-wire transmitter, max.	650 Ω
for current measurement as 4-wire transducer	Yes
Errors/accuracies	
Linearity error (relative to input range), (+/-)	0.02 %
Temperature error (relative to input range), (+/-)	0.005 %/K
Crosstalk between the inputs, min.	50 dB; Applies to up to ±5 V overvoltage in other channels
Repeat accuracy in steady state at 25 °C (relative to input	0.05 %
range), (+/-)	
Operational error limit in overall temperature range	4.07
Current, relative to input range, (+/-)	1 %
Basic error limit (operational limit at 25 °C)	
,	0.0.04
Current, relative to input range, (+/-)	0.3 %
• Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =	interference frequency
<ul> <li>Current, relative to input range, (+/-)</li> <li>Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =</li> <li>Series mode interference (peak value of</li> </ul>	
<ul> <li>Current, relative to input range, (+/-)</li> <li>Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =</li> <li>Series mode interference (peak value of interference &lt; rated value of input range), min.</li> </ul>	interference frequency 70 dB
<ul> <li>Current, relative to input range, (+/-)</li> <li>Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =</li> <li>Series mode interference (peak value of interference &lt; rated value of input range), min.</li> <li>Common mode voltage, max.</li> </ul>	interference frequency 70 dB 10 V
<ul> <li>Current, relative to input range, (+/-)</li> <li>Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =</li> <li>Series mode interference (peak value of interference &lt; rated value of input range), min.</li> <li>Common mode voltage, max.</li> <li>Common mode interference, min.</li> </ul>	interference frequency 70 dB
<ul> <li>Current, relative to input range, (+/-)</li> <li>Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =</li> <li>Series mode interference (peak value of interference &lt; rated value of input range), min.</li> <li>Common mode voltage, max.</li> <li>Common mode interference, min.</li> </ul> Interrupts/diagnostics/status information	interference frequency 70 dB  10 V 90 dB
<ul> <li>Current, relative to input range, (+/-)</li> <li>Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =</li> <li>Series mode interference (peak value of interference &lt; rated value of input range), min.</li> <li>Common mode voltage, max.</li> <li>Common mode interference, min.</li> <li>Interrupts/diagnostics/status information</li> <li>Diagnostics function</li> </ul>	interference frequency 70 dB 10 V
<ul> <li>Current, relative to input range, (+/-)</li> <li>Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =</li> <li>Series mode interference (peak value of interference &lt; rated value of input range), min.</li> <li>Common mode voltage, max.</li> <li>Common mode interference, min.</li> <li>Interrupts/diagnostics/status information</li> <li>Diagnostics function</li> <li>Alarms</li> </ul>	interference frequency 70 dB  10 V 90 dB  Yes
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm	interference frequency 70 dB  10 V 90 dB  Yes
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm	interference frequency 70 dB  10 V 90 dB  Yes
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses	interference frequency 70 dB  10 V 90 dB  Yes  Yes No
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage	interference frequency 70 dB  10 V 90 dB  Yes  Yes No
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break	interference frequency 70 dB  10 V 90 dB  Yes  Yes No  Yes Yes; at 4 to 20 mA
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes  Yes; at 4 to 20 mA  Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break Short-circuit	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes; at 4 to 20 mA Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes No  Yes; at 4 to 20 mA Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Overflow/underflow	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes; at 4 to 20 mA Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Overflow/underflow  Diagnostics indication LED	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes  Yes; at 4 to 20 mA  Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes Yes
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break Short-circuit  Group error Overflow/underflow  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes  Yes; at 4 to 20 mA  Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes Yes Yes Yes Yes; green LED
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Overflow/underflow  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes No  Yes  Yes; at 4 to 20 mA  Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes Yes Yes; green LED Yes; green LED
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Overflow/underflow  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display  for channel diagnostics	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes; at 4 to 20 mA Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes Yes Yes Yes; green LED Yes; green LED No
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Overflow/underflow  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display  for channel diagnostics  for module diagnostics	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes No  Yes  Yes; at 4 to 20 mA  Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes Yes Yes; green LED Yes; green LED
Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Overflow/underflow  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display  for channel diagnostics  for module diagnostics  Potential separation	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes; at 4 to 20 mA Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes Yes Yes Yes; green LED Yes; green LED No
Current, relative to input range, (+/-) Interference voltage suppression for f = n x (f1 +/- 1 %), f1 =  Series mode interference (peak value of interference < rated value of input range), min.  Common mode voltage, max.  Common mode interference, min.  Interrupts/diagnostics/status information  Diagnostics function  Alarms  Diagnostic alarm  Limit value alarm  Diagnoses  Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Overflow/underflow  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display  for channel diagnostics  for module diagnostics	interference frequency 70 dB  10 V 90 dB  Yes  Yes  Yes  No  Yes; at 4 to 20 mA Yes; 2-wire mode: Short-circuit of the encoder supply to ground or of an input to the encoder supply Yes Yes Yes Yes; green LED Yes; green LED No

Detween the injust (UCM)  Solution rested with  707 V DC (type test)  Ambient conditions  Ambient temperature during operation  • Incircular installation, min. • Incircular installation, max.  • Vertical installation, max. • Vertical installation, max. • Ambient and irreperature become the process remaining to sea level • Installation altifude above sea level, max. • Ambient or it is reperature become the process remaining to sea level • Installation altifude above sea level, max. • Ambient or it is reperature become the process remaining to sea level • Installation altifude above sea level, max. • Ambient or it is reperature become the process remaining to sea level • Installation altifude above sea level, max. • Ambient or it is reperature become the process remaining to sea level • Installation altifude above sea level, max. • Ambient or it is reperature become the process remaining to sea level • Installation altifude above sea level, max. • Ambient or it is reperature become the process remaining to the process remaining and remaining active substances according to EN 60721-3-6  — Lo chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active substances according to EN 60721-3-6  — To chemically active s	<ul> <li>between the channels and backplane bus</li> <li>between the channels and the power supply of the electronics</li> </ul>	wire voltage input group Yes Yes; only for 4-wire transducer
Isolation tested with  707 V DC (type test)  Ambient conditions  Ambient temperature during operation  • horizontal installation, min.  • horizontal installation, max.  **Antitude during operation relations in the preference of the conditions of	Permissible potential difference	
Isolation tested with Ambient temperature during operation  • horizontal installation, max.  • vertical installation, min.  • vertical installation and installation and provided in the pro	between the inputs (UCM)	10 V DC
Ambient conditions  Ambient temperature during operation  • horizontal installation, min.  • horizontal installation, max.  • vertical installation, max.  • vertical installation, max.  • vertical installation, max.  • Ambient agreement of the properties of the pr	Isolation	
Ambient temperature during operation  • horizortal installation, min. • horizortal installation, max. • vertical installation, max. • Ambient installation, max. • vertical installation, max. • Ambient installation, max. • Ambient installation, max. • Vertical installation, max. • Ambient installation, max. • Vertical installation, max. • Ambient installation allitude above sea level. • Installation allitud	Isolation tested with	707 V DC (type test)
Ambient temperature during operation  • horizontal installation, max.  • vertical installation, min.  • vertical installation min.  • vertical i	Ambient conditions	
• horizontal installation, mix.     • horizontal installation, max.     • vertical installation, max.     • vertical installation, max.     • vertical installation, max.     • vertical installation, max.  Altitude during operation relating to sea level  • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.     • Ambient air temperature-barometric pressure-altitude  • With condensation, tested in accordance with IEC 60088-2-38, max.  • With horizontal above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • With condensation, altitude  • Installation altitude above sea level, max.  • Ambient air temperature-barometric pressure-altitude  • Installation altitude  • Installation altitude  • Installation altitude  • With condensation, altitude  • Installation altitude above salevel, max.  • Installation altitude above salevel within altitude altitude  • Installation altitude above salevel with	Ambient temperature during operation	
• vertical installation, max.     • vertical installation, min.     • Anticent during operation relating to sea level.     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation, altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation altitude above sea level, max.     • Anticent air temperature-barometric pressure-altitude     • Installation and performance of Electrical Insulating Compound for Printed Board Assemblies     • College the substances according to Protection against challing acc, to EN 60984-3 and substances according to Protection and Performance of Electrical Insulating Compound for Printed Board Assemblies     • Coaltings for printed circuit board assemblies according to IPC-CC-830A  Dimensions  Verit Tims x-20 (N at 758 hr 1.1 4 20 mR permissible) temperature sub		-40 °C; = Tmin (incl. condensation/frost)
evertical installation, max.	<ul> <li>horizontal installation, max.</li> </ul>	
Installation relating to sea level     Installation altitude above sea level, max.     Ambrient air temperature-barrometric pressure-altitude     With condensation, tested in accordance with IEC 60088-2-38, max.     With condensation, tested in accordance with IEC 60088-2-38, max.  Relative humidity     With condensation, tested in accordance with IEC 60088-2-38, max.  Resistance Coolants and lubricants  — Resistant to commercially available coolants and lubricants  — Resistant to commercially available coolants and lubricants  — In biologically active substances according to EN 60721-3-3  — To themically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 600213-6  — To chemically active substances according to EN 60721-3-6  — To mechanically active substances according to EN 60721-3-6  — To mechanically active substances according to EN 60721-3-6  — To mechanically active substances according to EN 60721-3-6  — To mechanically active substances according to EN 60721-3-6  — To themically active substances according to EN 60721-3-6  — To themically active substances according to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60021-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  Usage in industrial process technology  — Against chemically active substances according to EN 60684-4  — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71,04  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60684-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies according to INI-146058C, Amendment 7  • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to INI-2-6-6-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8	<ul> <li>vertical installation, min.</li> </ul>	-40 °C; = Tmin
Installation altitude above sea level, max.  Anbient air temperature-barometric pressure-altitude  Arbient air temperature-barometric pressure-altitude  With condensation, tested in accordance with IEC (2008-2-38, max.)  Resistance  Coolants and lubricants  Resistance  Coolants and lubricants  Are sistance or contensation, desired in accordance with IEC (2008-2-38, max.)  Use in stationary industrial systems  Jee in biologically active substances according to EN 60721-3-3  To chemically active substances according to EN 60721-3-3  To enchanical environmental conditions acc. to EN 60721-3-3  Ho process technology  Against mechanically active substances according to EN 60721-3-6  EN 60721-3-6  Against mechanically active substances according to EN 60721-3-6  Against feminically active sub	vertical installation, max.	50 °C; = Tmax
Ambient air temperature-barometric pressure- altitude  Trinin Trax at 1.140 Pp 756 Pp. (4.1000 m +2.000 m)  Relative humidity  With condensation, tested in accordance with IEC  60008 2-38. max.  Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  — Resistant to commercially available coolants and lubricants  — Resistant to commercially available coolants and lubricants  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-7  — to mechanically active substances according to EN 60721-3-7  — to mechanically active substances according to EN 60721-3-8  — to chemically active substances according to EN 60721-3-7  — to mechanically active substances according to EN 60721-3-7  — to enther the theory in the time the time at a time the time the time at a time time at a time time at a ti	Altitude during operation relating to sea level	
Relative humidity  * With condensation, tested in accordance with IEC 60068-2-38, max.  Resistance Coolants and lubricants  - Resistant to commercially available coolants and lubricants  - Resistant to commercially available coolants and lubricants  - Resistant to commercially available coolants and lubricants  - Resistance Coolants and lubricants  - Resistance Coolants and lubricants  - Resistant to commercially available coolants and lubricants  - Resistance Coolants and lubricants  - Resistant to commercially available coolants and lubricants  - Resistant to commercially active substances according to EN 60721-3-3  - Lo chemically active substances according to EN 60721-3-6  - Lo mechanically active substances according to EN 60721-3-6  - Against mechanical environmental conditions acc. to EN 60721-3-6  - Against mechanical environmental conditions acc. to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-6  - Resistant to commercially active substances according to EN 60721-3-3 (ass 383 on request  - Yes; Class 683 incl. sand, dust; *  - Yes; Class 6	<ul> <li>Installation altitude above sea level, max.</li> </ul>	
With condensation, tested in accordance with IEC 600862-38, max.  Resistance Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-3  — to hemically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Remark  — Environmental conditions for process, measuring and control systems acc. to ANS/I/SA-71.04  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4  — Environmental conditions for process, measuring and control systems acc. to EN 60864-3  • Protection against fouling acc. to EN 60864-3  • Protection against fouling acc. to EN 60864-3  • Military testing according to MIL-1-46086C, Amendment 7  • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A  Dimensions  Width  Height  100 %; Rt incl. condensation id droplets in the air and id propels and of protestion states and oil droplets in the air and identification and performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	altitude	(Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin
Resistance  Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — Against mechanical environmental conditions acc. to EN 60721-3-3  Use on ships/at sea — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to EN 60721-3-6 (Secondary Conformal coating)  • Coatings for printed substances acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-146058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A  Dimensions  Ves; Class Alexi Linux, and dry rot spores (with the exception of fauna); Class 3B3 on request 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 60068-2.52 (severity degree 3); Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6B3 micl. sand, dust, * Yes; Class 6B3 micl. sand, dust, * Yes; Class 6B3 micl. sand, dust, * Yes; Class 6B3 incl. sand, dust, * Yes; Class 6B4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA0-0AA0) Yes; Class 6B4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA0-0AA0) Yes; Class 3G4 (RH < 75 %) incl. salt spray acc. to EN 6	•	400 0/ DLI incl. condensation / fract /no commission in the desired
Resistance Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — Against mechanical environmental conditions acc. to EN 60721-3-3  Use on ships/at sea — to biologically active substances according to EN 60721-3-3  Use on ships/at sea — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Pagainst mechanical environmental conditions acc. to EN 60721-3-6 — Rouss acc. to EN 60721-3-6 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60054-4 — Environmental conditions for process, measuring and control systems acc. to EN 60721, EN 60054-4 and ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60054-4 and ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60054-4 and ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60054-4 and ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60054-4 and ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60054-4 and ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60054-4 and ANSI/ISA-71.04  Remark — Ozanings for printed circuit board assemblies acc. to EN 60		state), horizontal installation
Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — Against mechanical environmental conditions acc. to EN 60721-3-3 Use on ships/at sea — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60664-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-1-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A  Dimensions  Width  15 mm  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fatural); Class 3B2 mold, fungus and dry rot spores (with the exception of fatural); Class 3B2 mold, fungus and dry rot spores (with the exception of fatural); Class 3B2 mold, fungus and dry rot spores (with the exception of fatural); Class 3B2 mold, fungus and dry rot spores (with the exception of fatural); Class 3B2 mold, fungus and dry rot spores (with t		,,
- Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  - to biologically active substances according to EN 60721-3-3 - to chemically active substances according to EN 60721-3-3 - to mechanically active substances according to EN 60721-3-3 - Against mechanical environmental conditions acc. to EN 60721-3-3  Use on ships/at sea - to biologically active substances according to EN 60721-3-3  Use on ships/at sea - to biologically active substances according to EN 60721-3-6 - to chemically active substances according to EN 60721-3-6 - to enember a conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-8 - Against mechanically active substances according to EN 60721-3-8 - Against mechanically active substances according to EN 60721-3-8 - Against mechanical environmental conditions acc. to EN 60721-3-8 - Against chemically active substances acc. to EN 6064-4 - Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark - Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating - Coatings for printed circuit board assemblies acc. to EN 61086 - Protection against fouling acc. to EN 6064-3 - 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  Dimensions  Width - The work of the exception of faunal; Class 3B3 on request - Yes; Class 3B3 on request - Yes; Class 3B4 mol. sand, dust, * - Yes; Class 3B3 mold, fungus and dry rot spores (with the exception of faunal); Class 3B4 mol. salt spray acc. to EN 60068-2-52 (severity degree 3); * - Yes; Class 3B3 on request - Yes; Class 3B4 mol. sand, dust, * - Yes; Class 6B2 mold and fungal spores (excluding faunal); Class 4B193-4-4-4-5-4-4-5-4-4-4-5-4-4-4-4-4-4-4-4-		
- to biologically active substances according to EN 60721-3-3 - to mechanically active substances according to EN 60721-3-3 - to mechanically active substances according to EN 60721-3-3 - Against mechanical environmental conditions acc. to EN 60721-3-6 - to chemically active substances according to EN 60721-3-6 - to chemically active substances according to EN 60721-3-6 - to chemically active substances according to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60721-3-6 - Against mechanical environmental conditions acc. to EN 60654-4 - Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark - Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 60664-3 • Military testing according to MiL-1-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A  Dimensions  Width  15 mm  73 mm		Yes; Incl. diesel and oil droplets in the air
EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — Against mechanical environmental conditions acc. to EN 60721-3-3  Use on ships/at sea — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60684-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 60664-3 • 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  Dimensions  ### Compound for Printed Board Assemblies according to IPC-CC-830A	Use in stationary industrial systems	
EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — to paginst mechanical environmental conditions acc. to EN 60721-3-6  — to biologically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  — Against demicially active substances according to EN 60721-3-6  Wes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 m		
EN 60721-3-3  — Against mechanical environmental conditions acc. to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  — Against chemically active substances according to EN 6054-4  — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • Military testing according to MIL-1-46058C, Amendment 7  • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A  Dimensions	<ul> <li>to chemically active substances according to EN 60721-3-3</li> </ul>	(severity degree 3); *
use on ships/at sea  — to biologically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6  Usage in industrial process technology — Against femically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating	EN 60721-3-3	
to biologically active substances according to EN 60721-3-6 to chemically active substances according to EN 60721-3-6 to mechanically active substances according to EN 60721-3-6 to mechanically active substances according to EN 60721-3-6 Against mechanical environmental conditions acc. to EN 60721-3-6 Against mechanical environmental conditions acc. to EN 60721-3-6 Against chemically active substances acc. to EN 60654-4 Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 Note regarding classification of environmental conditions acc. to EN 60721, EN 60	acc. to EN 60721-3-3	
EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6  Wage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating	•	Voc: Class 6P2 mold and fungal anorga (avaluding fauna): Class 6P2 on
EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — Against mechanical environmental conditions acc. to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 60664-3 • Protection against fouling acc. to EN 60664-3 • 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  Dimensions  Width Height  (severity degree 3); * Yes; Class 6S3 incl. sand, dust; * Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6M3 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6M3 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6M3 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 2 fox luding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  * The supplied plug covers must remain in place over the unused interfaces during operation!  * The supplied plug covers must remain in place over the unused interfaces during operation!  * The supplied plug covers must remain in place over the unused interfaces during operation!  * The supplied plug covers must remain in place over the unused interfaces during operation!  * The supplied plug covers must remain in place over the unused interfaces during operation!  * The supplied plug covers must remain in place over the unused interfaces during ope	EN 60721-3-6	request
EN 60721-3-6  — Against mechanical environmental conditions acc. to EN 60721-3-6  Usage in industrial process technology  — Against chemically active substances acc. to EN 60654-4  — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • 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  Dimensions  Width  Height  Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 3 (excluding trichlorethylene)  Yes; Class 3 (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene)  Yes; Class 3 (excluding trichlorethylene)  Yes; Class 3 (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene)  Yes; Class 2 for high reliability  Yes; Closs 2 for high reliability  Yes; Closs 2 for high reliability  Yes; Closs 2 for high reliability	EN 60721-3-6	(severity degree 3); *
acc. to EN 60721-3-6 Usage in industrial process technology  — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 60664-3 • Protection against fouling acc. to EN 60664-3 • 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  Dimensions  Width Height  Against chemically active substances acc. to EN 6064-4  Yes; Class 3 (excluding trichlorethylene)  Yes; Class 2 for he supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high reliability  Yes; Conformal coating, Class A	EN 60721-3-6	
— Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating	acc. to EN 60721-3-6	
measuring 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  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • 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  Dimensions  Width Height  Concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high reliability  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life  Yes; Conformal coating, Class A		Yes; Class 3 (excluding trichlorethylene)
<ul> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> <li>Conformal coating         <ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> <li>Protection against fouling acc. to EN 60664-3</li> <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> </ul> </li> <li>*The supplied plug covers must remain in place over the unused interfaces during operation!</li> <li>Yes; Class 2 for high reliability</li> <li>Yes; Type 1 protection</li> <li>Yes; Discoloration of coating possible during service life</li> </ul> <li>Yes; Conformal coating, Class A</li> <li>Dimensions</li> <li>Width Height</li> <li>The supplied plug covers must remain in place over the unused interfaces during operation!</li>	measuring and control systems acc. to ANSI/ISA-71.04	concentrations up to the limits of EN 60721-3-3 class 3C4 permissible);
conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • 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  Dimensions  Width Height  interfaces during operation!  Yes; Class 2 for high reliability  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life  Yes; Conformal coating, Class A		+ T1
Conformal coating  Coatings for printed circuit board assemblies acc. to EN 61086  Protection against fouling acc. to EN 60664-3  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  Pimensions  Width  Height  Yes; Class 2 for high reliability  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life  Yes; Conformal coating, Class A	conditions acc. to EN 60721, EN 60654-4 and	
<ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> <li>Protection against fouling acc. to EN 60664-3</li> <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>Dimensions</li> <li>Width</li> <li>Height</li> <li>Yes; Class 2 for high reliability</li> <li>Yes; Class 2 for high reliability</li> <li>Yes; Type 1 protection</li> <li>Yes; Discoloration of coating possible during service life</li> <li>Yes; Conformal coating, Class A</li> </ul>		
<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>Dimensions</li> <li>Width</li> <li>Height</li> <li>Yes; Discoloration of coating possible during service life</li> <li>Yes; Conformal coating, Class A</li> <li>15 mm</li> <li>73 mm</li> </ul>		Yes; Class 2 for high reliability
<ul> <li>Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li> <li>Dimensions</li> <li>Width</li> <li>Height</li> <li>Yes; Conformal coating, Class A</li> <li>15 mm</li> <li>73 mm</li> </ul>	<ul> <li>Military testing according to MIL-I-46058C,</li> </ul>	
Dimensions  Width 15 mm  Height 73 mm	<ul> <li>Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies</li> </ul>	Yes; Conformal coating, Class A
Width 15 mm Height 73 mm		
Height 73 mm		15 mm
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Weights
Weight, approx. 31 g

last modified: 12/18/2020 ௴