# **SIEMENS**

### **Data sheet**

## 6AG1134-6HB00-2CA1



SIPLUS ET 200SP AI 2xU/I 2/4-W HF based on 6ES7134-6HB00-0CA1 with conformal coating, -40...+60 °C, analog input module, suitable for BU type A0, A1, color code CC05, channel diagnostics, 16-bit, +/-0.1%

Figure similar

General information Product type designation  Firmware version  Fi
Firmware version  FW update possible  FW update possible  See on  FW update possible  Yes  Supply voltage  Rated value (DC)  Pive update possible  Yes  V1.0  Yes  Supply voltage  Rated value (DC)  FW update possible  Yes  FEST134-6HB00-0CA1  BU type A0, A1  CC03  FOCUS  FOCU
Product possible  product function  IsaM data Isochronous mode Measuring range scalable  Engineering with  STEP 7 TIA Portal configurable/integrated from version  Operating mode  Oversampling MSI  Calibration possible in RUN  Reparameterization possible in RUN  Pres  BU type A0, A1  CC03  Product function  Yes; I&M0 to I&M3  Yes; I&M0 to I&M3  Yes  No  Engineering with  STEP 7 TIA Portal configurable/integrated from version  No  No  CIR - Configuration in RUN  Reparameterization possible in RUN  Yes  Supply voltage  Rated value (DC)  All type A0, A1  CC03  BU type A0, A1  CC03  BU type A0, A1  CC03  Product function plate  Product function plate  CC03  Product function plate  CC03  Product function plate  Product function plate  CC03  Product function plate  Product function plate  Product function plate  Product function plate  Prod
based on  usable BaseUnits  BU type A0, A1  Color code for module-specific color identification plate  CC03  Product function  I&M data  Isochronous mode  Measuring range scalable  Engineering with  STEP 7 TIA Portal configurable/integrated from version  Operating mode  Oversampling  MSI  CIR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Supply voltage  Rated value (DC)  RO03  BU type A0, A1  CC03  Product function plate  CC03  Yes  I&M0 to I&M3  Yes  Entry ID: 109746275  No  Yes  Calibration possible in RUN  Yes  Supply voltage  Rated value (DC)  24 V
usable BaseUnits  Color code for module-specific color identification plate  CC03  Product function  I &M data  I sochronous mode  Measuring range scalable  Engineering with  STEP 7 TIA Portal configurable/integrated from version  Operating mode  Oversampling  MSI  CiR - Configuration in RUN  Reparameterization possible in RUN  Yes  Supply voltage  Rated value (DC)  Product function plate  CC03  Product function plate  CC03  Yes  I &M0 to I&M3  Yes  No  No  Ves  No  Yes  Supply voltage  Rated value (DC)  24 V
Color code for module-specific color identification plate  Product function  I&M data  Isochronous mode  Measuring range scalable  Mo  Engineering with  STEP 7 TIA Portal configurable/integrated from version  Operating mode  Oversampling  MSI  No  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Supply voltage  Rated value (DC)  Product function identification plate  CC03  Yes; I&M0 to I&M3  Yes  No  No  Yes  Calibration possible in RUN  Yes  Supply voltage  Rated value (DC)  24 V
Product function  • I&M data  • Isochronous mode  • Measuring range scalable  • Measuring with  • STEP 7 TIA Portal configurable/integrated from version  Operating mode  • Oversampling  • MSI  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Supply voltage  Rated value (DC)  Yes; I&M0 to I&M3  Yes  No  Yes  Yes  24 V
Isochronous mode Isochronous mode Measuring range scalable No  Engineering with STEP 7 TIA Portal configurable/integrated from version Operating mode Oversampling No MSI  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Supply voltage  Rated value (DC)  Yes  Yes  Yes  Yes  Yes  Yes  24 V
<ul> <li>Isochronous mode</li> <li>Measuring range scalable</li> <li>No</li> <li>Engineering with</li> <li>STEP 7 TIA Portal configurable/integrated from version</li> <li>Operating mode</li> <li>Oversampling</li> <li>MSI</li> <li>No</li> <li>CiR - Configuration in RUN</li> <li>Reparameterization possible in RUN</li> <li>Yes</li> <li>Calibration possible in RUN</li> <li>Yes</li> <li>Supply voltage</li> <li>Rated value (DC)</li> <li>24 V</li> </ul>
<ul> <li>Measuring range scalable</li> <li>Engineering with</li> <li>STEP 7 TIA Portal configurable/integrated from version</li> <li>Operating mode</li> <li>Oversampling</li> <li>MSI</li> <li>No</li> <li>CiR - Configuration in RUN</li> <li>Reparameterization possible in RUN</li> <li>Yes</li> <li>Calibration possible in RUN</li> <li>Yes</li> <li>Supply voltage</li> <li>Rated value (DC)</li> <li>24 V</li> </ul>
Engineering with  STEP 7 TIA Portal configurable/integrated from version see entry ID: 109746275  Operating mode  Oversampling  MO  MSI  NO  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Supply voltage  Rated value (DC)  24 V
STEP 7 TIA Portal configurable/integrated from version  See entry ID: 109746275  Operating mode  Oversampling No  MSI No  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Supply voltage  Rated value (DC)  24 V
Operating mode  Oversampling  Mo  MSI  No  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Calibration possible in RUN  Supply voltage  Rated value (DC)  24 V
● Oversampling     No     No     No     No  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Calibration possible in RUN  Yes  Supply voltage  Rated value (DC)  24 V
● MSI No  CiR - Configuration in RUN  Reparameterization possible in RUN Yes  Calibration possible in RUN Yes  Supply voltage  Rated value (DC) 24 V
CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Supply voltage  Rated value (DC)  24 V
Reparameterization possible in RUN  Calibration possible in RUN  Yes  Supply voltage  Rated value (DC)  24 V
Calibration possible in RUN Yes Supply voltage Rated value (DC) 24 V
Supply voltage Rated value (DC)  24 V
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 (rated value) 39 mA; without sensor supply
Encoder supply
24 V encoder supply
• 24 V
Short-circuit protection     Yes
• Output current, max. 20 mA; max. 50 mA per channel for a duration < 10 s (two-wire)
Additional 24 V encoder supply
• Output current, max. 100 mA; max. 150 mA for a duration of < 10 s (four-wire)
Power loss
Power loss, typ. 0.95 W; without sensor supply
Address area
Address space per module
Address space per module, max.  4 byte; + 1 byte for QI information
Analog inputs

	0.0%
Number of analog inputs	2; Differential inputs
permissible input voltage for voltage input (destruction limit), max.	30 V
permissible input current for current input (destruction limit), max.	50 mA
Input ranges (rated values), voltages	
• 0 to +10 V	Yes; 15 bit
<ul><li>— Input resistance (0 to 10 V)</li></ul>	75 kΩ
• 1 V to 5 V	Yes; 15 bit
<ul><li>— Input resistance (1 V to 5 V)</li></ul>	75 kΩ
• -10 V to +10 V	Yes; 16 bit incl. sign
<ul><li>— Input resistance (-10 V to +10 V)</li></ul>	75 kΩ
• -5 V to +5 V	Yes; 16 bit incl. sign
— Input resistance (-5 V to +5 V)	75 kΩ
Input ranges (rated values), currents	
• 0 to 20 mA	Yes; 15 bit
— Input resistance (0 to 20 mA)	130 Ω
• -20 mA to +20 mA	Yes; 16 bit incl. sign
— Input resistance (-20 mA to +20 mA)	130 Ω
• 4 mA to 20 mA	Yes; 15 bit
— Input resistance (4 mA to 20 mA)	130 Ω
Cable length	100 12
	1 000 m; 200 m for voltage measurement
shielded, max.  Analog value generation for the inputs	1 000 III, 200 III IOI VOItage illeasutettiett
Analog value generation for the inputs	Ciamo Dolto
Measurement principle	Sigma Delta
Integration and conversion time/resolution per channel	40.1%
Resolution with overrange (bit including sign), max.	16 bit
Integration time, parameterizable	Yes
<ul> <li>Interference voltage suppression for interference frequency f1 in Hz</li> </ul>	16.6 / 50 / 60 / 300 / 600 / 1 200 / 2 400 / 4 800
<ul> <li>Basic execution time of the module (all channels released)</li> </ul>	1 ms
Smoothing of measured values	
<ul> <li>Number of smoothing levels</li> </ul>	6; none; 2-/4-/8-/16-/32-fold
parameterizable	Yes
Encoder	
Connection of signal encoders	
<ul> <li>for voltage measurement</li> </ul>	Yes
<ul> <li>for current measurement as 2-wire transducer</li> </ul>	Yes
<ul> <li>for current measurement as 2-wire transducer</li> <li>Burden of 2-wire transmitter, max.</li> </ul>	Yes $650 \Omega$
— Burden of 2-wire transmitter, max.	650 Ω
<ul><li>— Burden of 2-wire transmitter, max.</li><li>for current measurement as 4-wire transducer</li></ul>	650 Ω
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies	650 Ω Yes
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)	650 Ω Yes 0.02 %
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input	650 Ω Yes 0.02 % 0.005 %/K
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.	650 Ω Yes  0.02 % 0.005 %/K -50 dB
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range	650 Ω Yes  0.02 % 0.005 %/K -50 dB
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)	650 Ω Yes  0.02 %  0.005 %/K  -50 dB  0.01 %
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 %
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 % 0.2 %
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 % 0.5 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 % 0.5 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference common mode voltage, max.	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 %  0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz ference frequency 35 V
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference common mode voltage, max.  • Common mode interference, min.	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 % 0.5 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference voltage voltage voltage voltage v	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 %  0.05 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz ference frequency 35 V 90 dB
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference voltage, max.  • Common mode voltage, max.  • Common mode interference, min.  Isochronous mode  Filtering and processing time (TCI), min.	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 %  0.05 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz ference frequency 35 V 90 dB
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference voltage, max.  • Common mode voltage, max.  • Common mode interference, min.  Isochronous mode  Filtering and processing time (TCI), min.  Bus cycle time (TDP), min.	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 %  0.5 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz 9.05 %; 0.1 % at SFU 4.8 kHz  1 ms
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference voltage suppression for f = n x (	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 %  0.05 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz ference frequency 35 V 90 dB
— Burden of 2-wire transmitter, max.  • for current measurement as 4-wire transducer  Errors/accuracies  Linearity error (relative to input range), (+/-)  Temperature error (relative to input range), (+/-)  Crosstalk between the inputs, min.  Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)  Operational error limit in overall temperature range  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Basic error limit (operational limit at 25 °C)  • Voltage, relative to input range, (+/-)  • Current, relative to input range, (+/-)  Interference voltage suppression for f = n x (f1 +/- 1 %), f1 = interference voltage, max.  • Common mode voltage, max.  • Common mode interference, min.  Isochronous mode  Filtering and processing time (TCI), min.  Bus cycle time (TDP), min.	650 Ω Yes  0.02 % 0.005 %/K -50 dB 0.01 %  0.2 % 0.2 % 0.2 %  0.5 %; 0.1 % at SFU 4.8 kHz 0.05 %; 0.1 % at SFU 4.8 kHz 9.05 %; 0.1 % at SFU 4.8 kHz  1 ms

Alarms	V
Diagnostic alarm	Yes
Limit value alarm	Yes; two upper and two lower limit values in each case
Diagnoses  Manifesias the symple veltage	Van
Monitoring the supply voltage     Wire beach.	Yes
Wire-break     Chart circuit	Yes; Measuring range 4 to 20 mA only
Short-circuit	Yes; For 1 to 5 V or for current measuring ranges short-circuit in encoder supply
Group error	Yes
Overflow/underflow	Yes
Diagnostics indication LED	
Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
Channel status display	Yes; green LED
for channel diagnostics	Yes; red LED
• for module diagnostics	Yes; green/red DIAG LED
Potential separation	
Potential separation channels	
between the channels	Yes
between the channels and backplane bus	Yes
<ul> <li>between the channels and the power supply of the</li> </ul>	Yes
electronics	
Permissible potential difference	
between different circuits	75 V DC/60 V AC (base isolation)
between the inputs (UCM)	75 V DC/60 V AC
Isolation	
Isolation tested with	707 V DC (type test)
Ambient conditions	
Ambient temperature during operation	
horizontal installation, min.	-40 °C; = Tmin (incl. condensation/frost)
<ul> <li>horizontal installation, max.</li> </ul>	60 °C; = Tmax; +70 °C with spacing modules (6AG1193-6BN00-7BA0) or configured slots to the left and right of the module including derating of the
	encoder supply to max. 50 mA per channel
Altitude during operation relating to sea level	
<ul> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m
<ul> <li>Ambient air temperature-barometric pressure-altitude</li> </ul>	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax
	- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)
Relative humidity	, , , , , , , , , , , , , , , , , , , ,
With condensation, tested in accordance with IEC 60068-	100 %; RH incl. condensation / frost (no commissioning in bedewed state),
2-38, max.	horizontal installation
Resistance	
Coolants and lubricants	
<ul> <li>Resistant to commercially available coolants and lubricants</li> </ul>	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
to biologically active substances according to EN	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna);
60721-3-3	Class 3B3 on request
— to chemically active substances according to EN	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity
60721-3-3	degree 3); *
<ul> <li>to mechanically active substances according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust, *
Against mechanical environmental conditions acc.	Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-
to EN 60721-3-3	0AA0)
Use on ships/at sea	
— to biologically active substances according to EN	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on
60721-3-6	request
<ul> <li>to chemically active substances according to EN 60721-3-6</li> </ul>	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
to mechanically active substances according to EN	Yes; Class 6S3 incl. sand, dust; *
60721-3-6	. 55; S.aub 600 mai. bana; adot;
<ul> <li>Against mechanical environmental conditions acc.</li> </ul>	Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-
to EN 60721-3-6	0AA0)
Usage in industrial process technology	V 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<ul> <li>Against chemically active substances acc. to EN 60654-4</li> </ul>	Yes; Class 3 (excluding trichlorethylene)
Environmental conditions for process, measuring	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas

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

\* 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 61086

Yes; Class 2 for high reliability

- 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

Yes; Type 1 protection

Yes; Discoloration of coating possible during service life

Yes; Conformal coating, Class A

		ns

Width	15 mm
Height	73 mm
Depth	58 mm
144	

Weight, approx.

32 g

	Version	Classification
eClass	14	27-24-26-01
eClass	12	27-24-26-01
eClass	9.1	27-24-26-01
eClass	9	27-24-26-01
eClass	8	27-24-26-01
eClass	7.1	27-24-26-01
eClass	6	27-24-26-01
ETIM	9	EC001596
ETIM	8	EC001596
ETIM	7	EC001596
IDEA	4	3562
UNSPSC	15	32-15-17-05

#### Approvals / Certificates

**General Product Approval** 

**EMV** 

**Miscellaneous** 

Manufacturer Declaration









For use in hazardous locations

Marine / Shipping







CCC-Ex



last modified:

1/20/2025

