## 6AG1134-6PA20-7BD0

**Data sheet** 



SIPLUS ET 200SP AI EMETER 480VAC ST -40...+70°C with conformal coating based on 6ES7134-6PA20-0BD0 . Analog Input MODULE, AI ENERGY METER 480VAC ST, fits to BU-TYPE D0, CHANNEL DIAGNOSIS

Product type designation usable BaseUnits BU type D0  Product function  Voltage measurement — with voltage transformer — with outge transformer — with out current transformer — with current transformer  Frequency measurement Power moss Power measurement Power moss Poss Power moss Poss Poss Poss Poss Poss Poss Poss	General information		
Product function  Voltage measurement — with voltage transformer  Current measurement — with out current transformer — with current transformer — with current transformer — with current transformer — with current transformer  Fenergy measurement  Frequency measurement  Power measurement  Active power measurement  Reactive power measurement  Rescription mode  Operating mode  Cyclic measurement  Rescription mode  Fixed measured value access  Fixed measured value access  Fixed measured value sets  Pes  Freely definable measured value sets  Yes  Supply voltage measurement channel L1  Type of supply voltage  Design of the power supply  Supply voltage  Design of the power supply  Supply voltage measurement channel L1  Type of supply voltage  Design of the power supply  Supply voltage measurement channel L1  Type of supply voltage  Design of the power supply  Permissible range, lower limit (AC)  Permissible range, lower limit  Permissible range, upper limit  Power loss	Product type designation	Al Energy Meter 480VAC ST	
Voltage measurement — with voltage transformer Current measurement — without current transformer — with current transformer — with current transformer  Ves — with current transformer  Ves Energy measurement Frequency measurement Frequency measurement  Power measurement  Active power measurement  Reactive power measurement  Reactive power measurement  Site Mata  Isochronous mode  Operating mode  Cyclic measurement  Acyclic measured value access Fixed measured value sets Freely definable measured value sets Freely definable measured value sets Freely definable measured value sets  Freely definable measured value sets  Freely definable measured value sets  Site - Configuration in RUN  Reparameterization possible in RUN  Yes  Calibration possible in RUN  Supply voltage  Design of the power supply  Design of the power supply  Supply voltage  Design of the power limit (AC)  permissible range, luyper limit (AC)  Permissible range, luyper limit  Power loss	usable BaseUnits	BU type D0	
- with voltage transformer  • Current measurement  - without current transformer  - with current transformer  - with current transformer  • Energy measurement  • Frequency measurement  • Power measurement  • Active power measurement  • Reactive power measurement  • I&M data  • Isochronous mode  • Cyclic measurement  • Acyclic measurement  • Acyclic measurement  • Acyclic measured value access  • Fixed measured value sets  • Freely definable measured value sets  • Freely definable measured value sets  • Freely definable in RUN  Reparameterization possible in RUN  Reparameterization possible in RUN  Supply voltage  Design of the power supply  Supply voltage  Design of the power limit (AC)  permissible range, lower limit (AC)  permissible range, lower limit  • permissible range, upper limit  • permissible range, lower limit  • permissible range, upper limit  • perm	Product function		
Current measurement — without current transformer — with current transformer  Frequency measurement  Frequency measurement  Active power measurement  Reactive power measurement  Rescription  Rescript	<ul> <li>Voltage measurement</li> </ul>	Yes	
without current transformer with current transformer with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current transformer  with current  Pose  Pose  Active power measurement  Active power measurement  (I&M data	<ul> <li>— with voltage transformer</li> </ul>	Yes	
- with current transformer  • Energy measurement • Frequency measurement • Prequency measurement • Power measurement • Active power measurement • Reactive power measurement • IskM data • Isochronous mode  Operating mode • cyclic measurement • Acyclic measurement • Acyclic measurement • Acyclic measured value access • Fixed measured value sets • Freely definable measured value sets • Freely definable measured value sets • Freely definable in RUN  Reparameterization possible in RUN  Reparameterization possible in RUN  Yes  Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Type of supply voltage  Design of the power supply  Supply via voltage measurement channel L1  Type of supply voltage  permissible range, lower limit (AC)  permissible range, upper limit (AC)  • permissible range, upper limit • 47 Hz • permissible range, upper limit  Fower loss	<ul> <li>Current measurement</li> </ul>	Yes	
Energy measurement Frequency measurement Frequency measurement Power measurement Active power measurement Reactive power measurement Rescription Reparameterization possible in RUN Reparameterization possible in RUN Reparameterization possible in RUN Reparameterization possible in RUN Rescription	<ul> <li>— without current transformer</li> </ul>	No	
Frequency measurement Power measurement Power measurement Active power measurement Reactive power measurement Rescription Reparameterization possible in RUN Reparameterization possible in RUN Reparameterization possible in RUN Reparameterization possible in RUN Rescription Rescriptio	<ul> <li>with current transformer</li> </ul>	Yes	
Power measurement Active power measurement Reactive power measurement Rescuire power measurement Rescuire measurement Rescuire measurement Rescuire measurement Rescuire measured value access Fixed measured value access Fixed measured value sets Rescuire measurement measurement value value value sets Rescuire measurement value v	<ul> <li>Energy measurement</li> </ul>	Yes	
Active power measurement Reactive power measurement Reactive power measurement Reactive power measurement Reactive power measurement Rescurement Resc	<ul> <li>Frequency measurement</li> </ul>	Yes	
Reactive power measurement IskM data Isochronous mode  Operating mode  cyclic measurement Acyclic measurement Acyclic measured value access Fixed measured value sets Fixed measurement of a vector of the vector o	<ul> <li>Power measurement</li> </ul>	Yes	
Isochronous mode Isochronous mode Operating mode  cyclic measurement acyclic measurement Acyclic measured value access Fixed measured value sets Fixed measured value value value value value value sets Fixed measured value val	<ul> <li>Active power measurement</li> </ul>	Yes	
Isochronous mode Operating mode  cyclic measurement cacyclic measurement eacyclic measured value access Fixed measured value sets Fixed measured value sets Freely definable measured value sets Fr	<ul> <li>Reactive power measurement</li> </ul>	Yes	
Operating mode  • cyclic measurement Yes • acyclic measurement Yes • Acyclic measured value access Yes • Fixed measured value sets Yes • Freely definable measured value sets Yes  CIR - Configuration in RUN  Reparameterization possible in RUN Yes Calibration possible in RUN Yes Installation type/mounting  Mounting position any  Supply voltage Design of the power supply Supply via voltage measurement channel L1  Type of supply voltage AC 100 - 277 V  permissible range, lower limit (AC) 90 V  permissible range, upper limit (AC) 293 V  Line frequency • permissible range, lower limit • permissible range, upper limit  47 Hz • permissible range, upper limit  63 Hz	I&M data	Yes; I&M0 to I&M3	
<ul> <li>cyclic measurement</li> <li>acyclic measurement</li> <li>Acyclic measured value access</li> <li>Fixed measured value sets</li> <li>Freely definable measured value sets</li> <li>Yes</li> <li>Freely definable measured value sets</li> <li>Yes</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>Installation type/mounting</li> <li>Mounting position</li> <li>any</li> <li>Supply voltage</li> <li>Design of the power supply</li> <li>Supply via voltage measurement channel L1</li> <li>Type of supply voltage</li> <li>AC 100 - 277 V</li> <li>permissible range, lower limit (AC)</li> <li>90 V</li> <li>permissible range, upper limit (AC)</li> <li>293 V</li> <li>Line frequency</li> <li>permissible range, upper limit</li> <li>47 Hz</li> <li>permissible range, upper limit</li> <li>63 Hz</li> </ul> Power loss	Isochronous mode	No	
<ul> <li>acyclic measurement</li> <li>Acyclic measured value access</li> <li>Fixed measured value sets</li> <li>Freely definable measured value sets</li> <li>Yes</li> <li>Freely definable measured value sets</li> <li>Yes</li> </ul> CiR - Configuration in RUN Reparameterization possible in RUN Yes Calibration possible in RUN Yes Installation type/mounting Mounting position Supply voltage Design of the power supply Supply via voltage measurement channel L1 Type of supply voltage AC 100 - 277 V permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, upper limit 47 Hz permissible range, upper limit 63 Hz Power loss	Operating mode		
Acyclic measured value access Fixed measured value sets Freely definable measured value sets  Freely definable measured value sets  CIR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Design of the power supply  Supply via voltage measurement channel L1  Type of supply voltage  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  permissible range, upper limit  A7 Hz  permissible range, upper limit  Fower loss	<ul> <li>cyclic measurement</li> </ul>	Yes	
Fixed measured value sets Freely definable measured value sets  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Supply via voltage measurement channel L1  Type of supply voltage  Permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, upper limit  47 Hz  permissible range, upper limit  63 Hz	<ul> <li>acyclic measurement</li> </ul>	Yes	
Freely definable measured value sets  CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Type of supply voltage  Design supply voltage  AC 100 - 277 V  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  47 Hz  permissible range, upper limit  63 Hz  Power loss	<ul> <li>Acyclic measured value access</li> </ul>	Yes	
CiR - Configuration in RUN  Reparameterization possible in RUN  Calibration possible in RUN  Yes  Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Type of supply voltage  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  47 Hz  permissible range, upper limit  63 Hz  Power loss		Yes	
Reparameterization possible in RUN  Calibration possible in RUN  Yes  Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Type of supply voltage  AC 100 - 277 V  permissible range, lower limit (AC)  permissible range, upper limit (AC)  permissible range, lower limit  • permissible range, upper limit  47 Hz  • permissible range, upper limit  63 Hz		Yes	
Calibration possible in RUN  Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Type of supply voltage  AC 100 - 277 V  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  • permissible range, lower limit  • permissible range, upper limit  47 Hz  • permissible range, upper limit  63 Hz	CiR - Configuration in RUN		
Installation type/mounting  Mounting position  Supply voltage  Design of the power supply  Design of the power supply  Supply via voltage measurement channel L1  Type of supply voltage  AC 100 - 277 V  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  47 Hz  permissible range, upper limit  48 Hz  Power loss	Reparameterization possible in RUN	Yes	
Mounting position  Supply voltage  Design of the power supply  Type of supply voltage  AC 100 - 277 V  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  permissible range, lower limit  47 Hz  permissible range, upper limit  48 Hz  Power loss	Calibration possible in RUN	Yes	
Design of the power supply  Design of the power supply  Type of supply voltage  permissible range, lower limit (AC)  permissible range, upper limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  permissible range, upper limit  47 Hz  permissible range, upper limit  Power loss	Installation type/mounting		
Design of the power supply  Type of supply voltage  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  permissible range, upper limit  47 Hz  permissible range, upper limit  63 Hz  Power loss	Mounting position	any	
Type of supply voltage  permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  permissible range, lower limit  permissible range, lower limit  47 Hz  permissible range, upper limit  63 Hz  Power loss	Supply voltage		
permissible range, lower limit (AC)  permissible range, upper limit (AC)  Line frequency  • permissible range, lower limit  • permissible range, upper limit  Power loss  90 V  293 V  47 Hz  63 Hz	Design of the power supply	Supply via voltage measurement channel L1	
permissible range, upper limit (AC)  Line frequency  • permissible range, lower limit  • permissible range, upper limit  Power loss	Type of supply voltage	AC 100 - 277 V	
Line frequency  • permissible range, lower limit  • permissible range, upper limit  63 Hz  Power loss	permissible range, lower limit (AC)	90 V	
<ul> <li>permissible range, lower limit</li> <li>permissible range, upper limit</li> <li>63 Hz</li> </ul> Power loss	permissible range, upper limit (AC)	293 V	
• permissible range, upper limit 63 Hz  Power loss	Line frequency		
Power loss	<ul> <li>permissible range, lower limit</li> </ul>	47 Hz	
	<ul> <li>permissible range, upper limit</li> </ul>	63 Hz	
Power loss, typ. 0.6 W	Power loss		
	Power loss, typ.	0.6 W	

Address area	
Address space per module	
Address space per module, max.	268 byte; 256 byte input / 12 byte output
Hardware configuration	
Automatic encoding	
Mechanical coding element	Yes
Time of day	
Operating hours counter	
• present	Yes
Analog inputs	
Cycle time (all channels), typ.	50 ms; Time for consistent update of all measured and calculated values (cyclic und acyclic data)
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes
Limit value alarm	Yes
Hardware interrupt	Yes; Monitoring of up to 16 freely selectable process values (exceeding
Diagnostics indication LED	or undershooting of value)
Diagnostics indication LED	Voc
Monitoring of the supply voltage (PWR-LED)     Channel status display.	Yes
Channel status display     for the appeal display	Yes; green LED
• for channel diagnostics	Yes; red Fn LED
for module diagnostics	Yes; green/red DIAG LED
Integrated Functions	
Measuring functions	
Measuring procedure for voltage measurement	TRMS
<ul> <li>Measuring procedure for current measurement</li> </ul>	TRMS
<ul> <li>Type of measured value acquisition</li> </ul>	seamless
Curve shape of voltage	Sinusoidal or distorted
<ul> <li>Buffering of measured variables</li> </ul>	Yes
Parameter length	74 byte
Bandwidth of measured value acquisition	2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz
Measuring range	
— Frequency measurement, min.	45 Hz
— Frequency measurement, max.	65 Hz
Measuring inputs for voltage	
<ul> <li>Measurable line voltage between phase and neutral conductor</li> </ul>	277 V
Measurable line voltage between the line conductors	480 V
Measurable line voltage between phase and neutral conductor, min.	90 V
Measurable line voltage between phase and neutral conductor, max.	293 V
Measurable line voltage between the line conductors, min.	155 V
Measurable line voltage between the line conductors, max.	508 V
Internal resistance line conductor and neutral conductor	3.4 MΩ
— Power consumption per phase  — Impulse voltage resistance 1,2/50µs	20 mW 1 kV
Measurement category for voltage measurement in accordance with IEC 61010-2-030	CAT II; CAT III in case of guaranteed protection level of 1.5 kV
Measuring inputs for current	
measurable relative current (AC), min.	1 %; Relative to the secondary rated current 5 A
— measurable relative current (AC), max.	100 %; Relative to the secondary rated current 5 A
( 10),	

Apparent newer consumption per phase for	
<ul> <li>Apparent power consumption per phase for measuring range 5 A</li> </ul>	0.6 V·A
<ul> <li>Rated value short-time withstand current restricted to 1 s</li> </ul>	100 A
<ul> <li>— Input resistance measuring range 0 to 5 A</li> </ul>	25 mΩ; At the terminal
— Surge strength	10 A; for 1 minute
Zero point suppression	Parameterizable: 2 250 mA, default 50 mA
Accuracy class according to IEC 61557-12	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Measured variable voltage	0,2
Measured variable current	0,2
Measured variable apparent power	0.5
Measured variable active power	0.5
Measured variable active power  - Measured variable reactive power	1
·	
Measured variable power factor	0.5
Measured variable active energy	0.5
Measured variable reactive energy	1
<ul> <li>Measured variable neutral current</li> </ul>	0.5; calculated
Measured variable phase angle	±1°; not covered by IEC 61557-12
Measured variable frequency	0.05
Potential separation	
Potential separation channels	
<ul> <li>between the channels and backplane bus</li> </ul>	Yes; 3 700V AC (type test) CAT III
Isolation	
Isolation tested with	2 300V AC for 1 min. (type test)
Ambient conditions	,
Ambient temperature during operation	
horizontal installation, min.	-40 °C; = Tmin; < -25 °C min. permissible supply voltage 110 V AC
horizontal installation, min.     horizontal installation, max.	70 °C; = Tmax; > +60 °C max. permissible current 1 A per phase
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vertical installation, min.	-40 °C; = Tmin
vertical installation, max.	50 °C; = Tmax
Altitude during operation relating to sea level	0.000
Installation altitude above sea level, max.	2 000 m
Ambient air temperature-barometric pressure- altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m)
Relative humidity	
With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
Coolants and lubricants	
Coolants and lubricants  — Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air
Coolants and lubricants  — Resistant to commercially available coolants	Yes; Incl. diesel and oil droplets in the air
Coolants and lubricants  — Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  — to biologically active substances according to	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of
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	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
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	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); *
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	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 3S4 incl. sand, dust, * Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-
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	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 3S4 incl. sand, dust, * Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-
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	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 3S4 incl. sand, dust, * Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0) Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on
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	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 3S4 incl. sand, dust, *  Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52
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	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 3S4 incl. sand, dust, *  Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
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  — Against mechanical environmental conditions	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 3S4 incl. sand, dust, *  Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; *  Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-
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  — Against mechanical environmental conditions acc. to EN 60721-3-6	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 3S4 incl. sand, dust, *  Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; *  Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-

EN 60654-4	
<ul> <li>Environmental conditions for process, measuring and control systems acc. to ANSI/ISA- 71.04</li> </ul>	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	
<ul> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> </ul>	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
<ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> </ul>	Yes; Class 2 for high reliability
<ul> <li>Protection against fouling acc. to EN 60664-3</li> </ul>	Yes; Type 1 protection
<ul> <li>Military testing according to MIL-I-46058C, Amendment 7</li> </ul>	Yes; Discoloration of coating possible during service life
<ul> <li>Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A</li> </ul>	Yes; Conformal coating, Class A
Dimensions	
Width	20 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	45 g
Othor	

As a function of cable length and cross section, see device manual As a function of cable length and cross section, see device manual

last modified: 1/16/2021 🖸

Data for selecting a current transformer

• Burden power current transformer x/1A, min.

• Burden power current transformer x/5A, min.