SIEMENS

Data sheet

6ES7134-6PA21-0CU0



SIMATIC ET 200SP, analog input module, AI Energy Meter RC HF, for Rogowski coils or current/voltage transformer 333 mV, with network analysis functions, suitable for BU type U0, channel diagnostics

General information	
Product type designation	AI Energy Meter RC HF
Firmware version	V8.0
 FW update possible 	Yes
usable BaseUnits	BU type U0
Color code for module-specific color identification plate	CC20
Supported power supply systems	TT, TN, IT
Product function	
Voltage measurement	Yes
- without voltage transformer	Yes
— with voltage transformer	Yes
Current measurement	Yes; Max. 4
— without current transformer	No
— with current transformer	No
— With Rogowski coil	Yes
- With current-voltage-converter	Yes; 333 mV interface
Energy measurement	Yes
Frequency measurement	Yes
Power measurement	Yes
 Active power measurement 	Yes
 Reactive power measurement 	Yes
 Power factor measurement 	Yes
 Active factor measurement 	Yes
 Reactive power compensation 	Yes
• Line analysis	Yes
 Monitoring of instantaneous and half-wave values 	Yes
 — THD measurement for current and voltage 	Yes
 Harmonics for current and voltage 	Yes
— Voltage dip (DIP)	Yes
— Voltage swell	Yes
• I&M data	Yes; I&M0 to I&M3
Isochronous mode	No
Engineering with	
 STEP 7 TIA Portal configurable/integrated from version 	STEP 7 V16 or higher with HSP
 STEP 7 configurable/integrated from version 	V5.5 SP3 or higher
 PROFIBUS from GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher
 PROFINET from GSD version/GSD revision 	V2.3
Operating mode	
 Switching between operating modes in RUN 	Yes; For module version 32 I/20 Q, it is possible to dynamically switch between 25 user data variants, 23 of which are pre-defined and 2 of which can be defined by the specific user

 Cyclic modelured vielue access 	Vaa
 Cyclic measured value access Acyclic measured value access 	Yes
Fixed measured value sets	Yes
Freely definable measured value sets CiR - Configuration in RUN	Yes; For cyclic and acyclic measured value access
	Vee
Reparameterization possible in RUN	Yes
Calibration possible in RUN	Yes
Installation type/mounting	
Mounting position	any
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	12.5 mA
Current consumption, max.	17 mA
Power loss	
Power loss, typ.	400 mW; 3x 230 V AC
Address area	
Address space per module	
Inputs	256 byte
Outputs	20 byte
Hardware configuration	
Automatic encoding	Yes
 Mechanical coding element 	Yes
 Type of mechanical coding element 	type C
Selection of BaseUnit for connection variants	
2-wire connection	BU type U0
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)
Cable length	und acyclic data)
Cable length shielded, max. 	
• shielded, max.	und acyclic data) 200 m 200 m
shielded, max.unshielded, max.	200 m
 shielded, max. unshielded, max. Analog value generation for the inputs 	200 m 200 m
 shielded, max. unshielded, max. Analog value generation for the inputs Sampling frequency, max. 	200 m
shielded, max. unshielded, max. Analog value generation for the inputs Sampling frequency, max. Interrupts/diagnostics/status information	200 m 200 m
shielded, max. unshielded, max. Analog value generation for the inputs Sampling frequency, max. Interrupts/diagnostics/status information Alarms	200 m 200 m 2 048 kHz
shielded, max. unshielded, max. Analog value generation for the inputs Sampling frequency, max. Interrupts/diagnostics/status information Alarms Diagnostic alarm	200 m 200 m 2 048 kHz Yes
shielded, max. unshielded, max. Analog value generation for the inputs Sampling frequency, max. Interrupts/diagnostics/status information Alarms Diagnostic alarm Limit value alarm	200 m 200 m 2 048 kHz Yes Yes
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shielded, max. unshielded, max. Analog value generation for the inputs Sampling frequency, max. Interrupts/diagnostics/status information Alarms Diagnostic alarm Limit value alarm	200 m 200 m 2 048 kHz Yes Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or
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• Pype of measured variable semilas • Curve shape of variage Simulacidal or distance • Summation of measured variables Yes • Ramemoler length 128 byte • Ramemoler length 128 byte • Frequency measurement, min. 40 Hz - Frequency measurement, max. 70 Hz • Measuring insplic for vallage 277 V • Measuring insplic for vallage between phase and neutral 30 V - Measurable line vallage between phase and neutral 30 V - Measurable involtage between phase and neutral 30 V - Measurable involtage between phase and neutral 30 V - Measurable involtage between phase and neutral 30 V - Measurable involtage between phase and neutral 30 V - Measurable involtage between phase 8 V - Conductor, max. 51 HV - Measurable involtage between phase 60 mW, 300 V AC - Interrain relastance line conductor and neutral 15 MD - Interrain relastance line conductor and neutral 15 MD - Interrain relastance line conductor and neutral 15 MD - Interrain relastance line conductor and neutral 15 MD - Interrain relastance line conductor and neutral 15 MD - Interrain relastance line conductor and neutral 15 MD - Measu	Measuring procedure for voltage measurement	TRMS
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e. Burlaning of measured variables Yes • Parameter length 3.2 bHz, Harmonics: 63 / 50 Hz, 52 / 60 Hz • Measuring range 40 Hz • - Frequency measurement, min. 40 Hz • - Measurable in evoltage between phase and neutral conductor 277 V • - Measurable in evoltage between phase and neutral conductor 277 V • - Measurable in evoltage between phase and neutral conductors 30 V • - Measurable in evoltage between the line conductors 6 V • - Measurable in evoltage between the line conductors 6 V • - Measurable in evoltage between the line conductors 6 V • - Measurable in evoltage between the line conductors, max. 519 V • - Measurable in evoltage between the line conductors and neutral conductor, max. 519 V • - Measurable in evoltage between the line conductors and neutral conductors, max. 519 V • - Measurable in evoltage between the line conductors and neutral conductors. 519 V • - Measurable corrent (Rog, or I/J Corpus 2.6 WV • - Measurable corrent (Rog, or I/J Corpus 2.6 W • - Measurable corrent (Rog, or I/J Corpus 2.6 W • - Measurable corrent (Rog, or I/J Corpus 2.6 W • - Devoir consumption per phase 20 W • - Input resistance 120 KD • - Rated value, short-time writhater voltage resistance <t< td=""><td></td><td></td></t<>		
• Parameter 128 type • Bandwidth of measured value acquisition 3.2 kHz, Harmonics: 53 / 50 Hz, 52 / 60 Hz. • Progency measurement, min. 40 Hz • Progency measurement, max. 70 Hz • Measuring inputs for values between phase and neutral conductors 277 V • Measurable line values between phase and neutral conductors 30 V • Measurable line values between phase and neutral conductors 300 V • Measurable line values between phase and neutral conductor, min. 900 V • Measurable line values between phase and neutral conductor, min. 919 V • Measurable line values between the line conductors, min. 919 V • Measurable line values between the line conductors, min. 919 V • Measurable line values between the line conductors, max. 919 V • Measurable line values between the line conductors max. 919 V • Measurable conductors max. 919 V • Measurable conductors 80 MV; 300 V AC • Impute for current (Reg. of VL convertor) TI laccording to IEC 8101 Part 1 • Measurable contrent (Reg. of VL convertor) 910 V • Measurable softspore 92 V • Measurable for current (Reg. of VL convertor) V IEC 81507 12<		
• Bandwidth of mesared value acquisition 3.2 Miz; Hammania: B3 / 50 Hz, 52 / 60 Hz Messuring farge 70 Hz • Frequency measurement, max. 70 Hz • Messuring farge for values 277 V • Messuring farge for values 277 V • Messuring farge for values 30 V • Messuring farge for values 519 V • Messuring farge for values 60 mV, 300 V AC • Messuring farge fersion farge for values 519 V • Messuring farge frestions 1.260µs 2.5 KV • Messuring farge frestions 1.260µs 2.5 KV • Messuring farge frestions 1.260µs 2.5 KV • Messuring farge for values 00 mV, 300 V AC • Farge value, short-ime withintal voltage restificted 30 V • Or values 00 mV, 300 V AC • Farge value, short-ime withintal voltage restificted 30 V • Or values 00 mV, 300 V AC • Farge value, short-ime withintal voltage restificted 30 V • Or values 00 mV, 300 V AC • Messuring values 1.20 kD		
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— Frequency measurement, max. 70 Hz Measurable line voltage between phase and neutral conductor 277 V — Measurable line voltage between phase and neutral conductor 30 V — Measurable line voltage between phase and neutral conductor, max. 30 V — Measurable line voltage between phase and neutral conductor, max. 30 V — Measurable line voltage between phase and neutral conductor, max. 6 V — Measurable line voltage between the line conductor and neutral conductor, max. 519 V — Measurable line voltage between the line conductor and neutral conductor. 519 V — Measurable line voltage. 25 N V — Orevrotage category CAT II according to IEC 61010 Part 1 Measurable current 4.C. max. 224 mV — Continuous voltage, maximum permissible 20 V — Measurable current 4.C. max. 224 mV — Measurable current 4.C. max. 224 mV — Measurable current 4.C. max. 224 mV — Heasurable voltage statement measurable extrement by white and voltage restricted 30 V B S IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		1011
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- Masurable Ine voltage between phase and neutral conductor 277 V - Masurable Ine voltage between the line conductors 480 V - Masurable Ine voltage between phase and neutral conductors, min. 3V - Masurable Ine voltage between phase and neutral conductors, max. 300 V - Masurable Ine voltage between the line conductors, max. 6V - Masurable Ine voltage between the line conductors, max. 6V - Masurable Ine voltage between the line conductors, max. 6V - Masurable Ine voltage between the line conductors, max. 6V - Masurable Ine voltage between the line conductors, max. 6V - Masurable Ine voltage between the line conductors, max. 6V - Masurable Ine voltage the conductor and neutral conductors, max. 15 MΩ - Masurable Current 1(K), conx. 25 KV - Over consumption per phase 80 mW: 300 V AC - Dever consumption per phase 20 MW: 300 V AC - Masurable current (AC, max. 24 mV - Continuous voltage, maximum permissible 2 V - Masurable value, binot Line withstand voltage restricted 30 V - Masurad value, binot-Line withstand voltage restricted 30 V - Masured value be overent power 12 kD - Masured value be overent power 0.5 - Masured value be overent power 0.5 - Masured v	· ·	70 Hz
conductor average conductors fibre		
conductors 3V conductor, min. 300 V conductor, min. 300 V conductor, min. 300 V conductor, min. 6V conductor, min. 6V conductors, min. 519 V conductors, min. 519 V conductors, min. 519 V conductors, max. 60 W/ 300 VAC = Impulse voltage resistance in a conductor and neutral 519 V conductors 60 W/ 300 VAC = Impulse voltage resistance 122005 25 KV = Overvoltage category CAT II according to EC 61010 Part 1 Measural pinets for current (R0g, or UI converter) CAT II according to EC 61010 Part 1 Measural pinets for current (R0g, or UI converter) EX V = Cardinous voltage, maximum permissible 2V V = Ratel value, short-time withstand voltage restricted 30 V is 1 s - = Input resistance 120 KΩ = Neasured variable active power 5 = Measured variable active power 5 = Measured variable active power 5 = Measur	conductor	
conductor, min. 300 V conductor, max. 300 V conductor, max. 6V conductor, max. 6V conductors, min. 519 V conductors, max. 519 V conductors, max. 60 V		480 V
conductor, max. FV — Measurable ine voltage between the line 6 V conductors, max. 519 V — Internal resistance line conductor and neutral 1.5 MQ conductor 60 mW; 300 V AC — Impute voltage resistance 1.2 (50 µs) 2.5 kV — Overvoltage category CAT II according to IEC 6101 Part 1 Measuring inputs for current (Rog, or I/U converter) 424 mV — Continuous voltage, maximum permissible 2.V — Reader value, short-time withstand voltage restricted 30 V b 1 s 30 V — Imput resistance 1.20 kQ — Zoro point suppression Yes; 0 20%, referred to the nominal current Accuracy class according to IEC 61557-12 0.2 — Measured variable active power 0.5 — Measured variable active energy 1 — Measured variable active energy 0.5 — Measured variable active energy 1 — Measured variable active energy 1 — Measured variable active energy 1 — Measured variable actite energy 1 — M		3 V
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- Impulse voltage resistance 1,250µs 2.5 kV - Overvoltage category CAT II according to IEC 61010 Part 1 Measurable current (Rog. or I/U converter) 424 mV - Continuous voltage, maximum pernissible 2 V - Rated value, short-time withstand voltage restricted to 1 s 30 V - Zor point suppression Yes; 0 20%, referred to the nominal current Accuracy class according to IEC 61557-12 0.2 - Measured variable voltage 0.2 - Measured variable voltage 0.2 - Measured variable active power 0.5 - Measured variable active power 0.5 - Measured variable active power 0.5 - Measured variable power factor 0.2 - Measured variable power factor 0.5 - Measured variable power factor 0.5 - Measured variable power factor 0.2 - Measured variable power factor 0.2 - Measured variable power factor 0.5 - Measured variable prestinge 0.5 *; not covered by IEC 61557-12 - Measured variable frequency 0.05 only valid for the permissible voltage measuring range - Measured variable frequency 0.05 only valid for the permissible voltage measuring range - Measured variable frequency 0.05 only valid for the permissible voltage measuring range - Measured		1.5 ΜΩ
— Overvoltage category CAT II according to IEC 61010 Part 1 Measuring inputs for current (Rog. or I/U converter)	- Power consumption per phase	60 mW; 300 V AC
Measuring inputs for current (Rog. or I/U converter) 424 mV — Continuous voitage, maximum permissible 2 V — Rated value, short-time withstand voltage restricted 30 V to 1 s — Input resistance 120 kD — Liput resistance 120 kD — Zero point suppression Yes; 0 20%, referred to the nominal current Accuracy class according to IEC 61557-12 — — Measured variable voltage 0.2 — Measured variable expert power 0.5 — Measured variable expert power 0.5 — Measured variable expert power 0.5 — Measured variable reactive power 0.5 — Measured variable reactive power 0.5 — Measured variable reactive energy 0.5 — Measured variable reactive energy 1 — Measured variable requerent 0.2 — Measured variable phase angle 20.5 °; not covered by IEC 61557-12 — Measured variable requerent 0.2 — Measured variable phase angle 20.5 °; not covered by IEC 61557-12 — Measured variable requerent 0.2 — Measured variable sectore provent 1 — Measured variable frequency 0.5 °; not	— Impulse voltage resistance 1,2/50µs	2.5 kV
	— Overvoltage category	CAT II according to IEC 61010 Part 1
- Continuous voltage, maximum permissible 2 V - Rated value, short-time withstand voltage restricted to 1 s 30 V - Input resistance 120 kΩ - Zero point suppression Yes; 0 20%, referred to the nominal current Accuracy class according to IEC 61557-12 - - Measured variable voltage 0.2 - Measured variable apparent power 0.5 - Measured variable active power 0.5 - Measured variable active power 0.5 - Measured variable active nergy 0.5 - Measured variable active nergy 0.5 - Measured variable active energy 1 - Measured variable neutral current 0.2 - Measured variable heactive energy 1 - Measured variable reactive energy 1 - Measured variable heactive power 0.5; ont/y valid for the permissible voltage measuring range - Measured variable frequency 0.05; ont/y valid for the permissible voltage measuring range - Measured variable frequency 0.05; ont/y valid for the permissible voltage measuring range - Measured variable frequency 0.05; ont/y valid for the permissible voltage measuring range - Measured variable frequency 0.6 iss S	Measuring inputs for current (Rog. or I/U converter)	
- Rated value, short-time withstand voltage restricted to 1 s 30 V - Input resistance 120 k0 - Zero point suppression Yes; 0 20%, referred to the nominal current Accuracy class according to EC 61557-12 - - Measured variable current 0.2 - Measured variable current 0.2 - Measured variable current 0.2 - Measured variable creative power 0.5 - Measured variable active power 1 - Measured variable reactive power 1 - Measured variable reactive energy 0.5 - Measured variable reactive energy 1 - Measured variable requires energy 1. - Measured variable requires energy 0.2 - Measured variable requires energy 1. - Measured variable frequency 0.05; only valid for the permissible voltage measuring range - Measured variable frequency 0.05; only valid for the permissible voltage measuring range - Measured variable THDU 1 - Measured variable THDU 1 - Measured variable Current Class S - Measured variable THDU 1 - Measured variable Current Class S - Measured variable forquency Class S - Measured variable current Class S - Measured variable curren	— Measurable current at AC, max.	424 mV
to 1 s - Input resistance 120 kΩ - Zero point suppression Yes; 0 20%, referred to the nominal current Accuracy class according to IEC 61557-12 - - Measured variable voltage 0,2 - Measured variable apparent power 0,5 - Measured variable apparent power 0,5 - Measured variable active power 0,5 - Measured variable active power 0,5 - Measured variable reactive energy 0,5 - Measured variable neutre energy 0,5 - Measured variable neutre energy 1 - Measured variable neutre energy 1 - Measured variable reactive energy 0,5 - Measured variable neutral current 0,2 - Measured variable frequency 0.05; ont overed by IEC 61557-12 - Measured variable frequency 0.05; ont valid for the permissible voltage measuring range - Measured variable frequency 0.05; ont valid for the permissible voltage measuring range - Measured variable frequency 1 - Measured variable reactive performance 1 - Measured variable reactive performance 1 - Measured variable frequency Class S - Measur	- Continuous voltage, maximum permissible	2 V
- Zero point suppression Yes; 0 20%, referred to the nominal current Accuracy class according to IEC 61557-12 - Measured variable current 0,2 - Measured variable current 0,2 - Measured variable apparent power 0.5 - Measured variable active power 0.5 - Measured variable power factor 0.5 - Measured variable reactive energy 1 - Measured variable requency 0.5; only valid for the permissible voltage measuring range - Measured variable frequency 0.05; only valid for the permissible voltage measuring range - Measured variable harmonic 1 - Measured variable harmonic 1 - Measured variable THDU 1 - Measured variable current Class S - Measured variable current Class S - Measured variable current Class S - Measured variable voltage Class S - Measured variable voltage interruption Class S - Measured variable voltage interruption Class S - Measured variable harmonic curr		30 V
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	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage 	Yes; 0 20%, referred to the nominal current 0,2
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	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0.5
- Measured variable reactive energy 1 - Measured variable neutral current 0,2 - Measured variable phase angle ±0.5 °; not covered by IEC 61557-12 - Measured variable frequency 0.05; only valid for the permissible voltage measuring range - Measured variable harmonic 1 - Measured variable THDU 1 - Measured variable THDI 1 - Measured variable THDI 1 - Measured variable Voltage Class S - Measured variable current Class S - Measured variable frequency Class S - Measured variable frequency Class S - Measured variable current Class S - Measured variable frequency Class S - Measured variable harmonic voltage Class S - Measured variable harmonic voltage Class S - Measured variable harmonic voltage Class S - Measured variable harmonic current Ve	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0.5 0.5
	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable reactive power 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0.5 0.5 1
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- Measured variable frequency 0.05; only valid for the permissible voltage measuring range - Measured variable harmonic 1 - Measured variable THDU 1 - Measured variable THDI 1 - Measured variable THDI 1 - Measured variable Voltage Class S - Measured variable voltage Class S - Measured variable current Class S - Measured variable frequency Class S - Measured variable frequency Class S - Measured variable voltage interruption Class S - Measured variable voltage dip and swell Class S - Measured variable harmonic current Measured variable harmonic current	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable power factor Measured variable active energy 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0.5 0.5 1 0.5 1 0.5
- Measured variable harmonic 1 - Measured variable THDU 1 - Measured variable THDI 1 Accuracy class line analysis acc. to IEC 61000-4-30 - - Measured variable voltage Class S - Measured variable current Class S - Measured variable frequency Class S - Measured variable voltage interruption Class S - Measured variable voltage dip and swell Class S - Measured variable harmonic current Class S Potential separation No - between the channels No - between the channels and backplane bus Yes	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable reactive power Measured variable power factor Measured variable active energy Measured variable reactive energy 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0.5 0.5 1 0.5 1 0.5 1
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- Measured variable THDI 1 Accuracy class line analysis acc. to IEC 61000-4-30 - Measured variable voltage Class S - Measured variable current Class S - Measured variable frequency Class S - Measured variable frequency Class S - Measured variable voltage interruption Class S - Measured variable voltage dip and swell Class S - Measured variable harmonic voltage Class S - Measured variable harmonic current Valse S - between the channels No <td< td=""><td> Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable power factor Measured variable active energy Measured variable reactive energy Measured variable neutral current Measured variable phase angle </td><td>Yes; 0 20%, referred to the nominal current 0,2 0,2 0.5 0.5 1 0.5 0.5 1 0.5 1 0,2 ±0.5°; not covered by IEC 61557-12</td></td<>	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable power factor Measured variable active energy Measured variable reactive energy Measured variable neutral current Measured variable phase angle 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0.5 0.5 1 0.5 0.5 1 0.5 1 0,2 ±0.5°; not covered by IEC 61557-12
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between the channels and backplane bus Yes	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable reactive power Measured variable power factor Measured variable active energy Measured variable neutral current Measured variable phase angle Measured variable frequency Measured variable THDU Measured variable THDI Accuracy class line analysis acc. to IEC 61000-4-30 Measured variable current Measured variable requency Measured variable voltage Measured variable frequency Measured variable current Measured variable reactive to IEC 61000-4-30 Measured variable hereurent Measured variable hereurent Measured variable current Measured variable current Measured variable requency Measured variable voltage Measured variable frequency Measured variable current Measured variable current Measured variable requency Measured variable frequency Measured variable hermonic voltage 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0,5 1 0.5 1 0.5 1 0.5 1 0,2 ±0.5°; not covered by IEC 61557-12 0.05; only valid for the permissible voltage measuring range 1 1 1 Class S Class S Class S Class S Class S Class S Class S Class S
between the channels and backplane bus Yes	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable power factor Measured variable active energy Measured variable neutral current Measured variable phase angle Measured variable frequency Measured variable THDU Measured variable THDI Accuracy class line analysis acc. to IEC 61000-4-30 Measured variable requency Measured variable current Measured variable current Measured variable requency Measured variable voltage Measured variable current Measured variable requency Measured variable requency Measured variable requency Measured variable requency Measured variable harmonic Measured variable requency Measured variable voltage Measured variable voltage Measured variable current Measured variable current Measured variable voltage Measured variable koltage interruption Measured variable harmonic voltage Measured variable harmonic voltage Measured variable harmonic current 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0,5 1 0.5 1 0.5 1 0.5 1 0,2 ±0.5°; not covered by IEC 61557-12 0.05; only valid for the permissible voltage measuring range 1 1 1 Class S Class S Class S Class S Class S Class S Class S Class S
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Between the channels and load voltage I + Yes: Including FE	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable reactive power Measured variable reactive energy Measured variable neutral current Measured variable frequency Measured variable frequency Measured variable THDU Measured variable current Measured variable reactive power Measured variable frequency Measured variable reactive of the statement Measured variable frequency Measured variable frequency Measured variable frequency Measured variable reactive of the statement Measured variable frequency Measured variable frequency Measured variable reactive of the statement Measured variable frequency Measured variable outtage Measured variable voltage Measured variable frequency Measured variable current Measured variable frequency Measured variable frequency Measured variable frequency Measured variable frequency Measured variable harmonic voltage Measured variable harmonic voltage Measured variable harmonic voltage Measured variable harmonic current 	Yes; 0 20%, referred to the nominal current 0,2 0,2 0,5 0,5 1 0,5 1 0,5 1 0,2 ±0.5 °; not covered by IEC 61557-12 0.05; only valid for the permissible voltage measuring range 1 1 1 1 Class S Cla
Economiano di anti da volago E. Tob, mola ang r E	 Input resistance Zero point suppression Accuracy class according to IEC 61557-12 Measured variable voltage Measured variable current Measured variable apparent power Measured variable active power Measured variable reactive power Measured variable reactive energy Measured variable neutral current Measured variable phase angle Measured variable frequency Measured variable THDU Measured variable current Measured variable reactive power Measured variable frequency Measured variable frequency Measured variable harmonic Measured variable frequency Measured variable harmonic Measured variable reactive present Measured variable harmonic Measured variable reactive present Measured variable harmonic Measured variable reactive present Measured variable harmonic Measured variable reactive Measured variable frequency Measured variable voltage Measured variable current Measured variable frequency Measured variable frequency Measured variable harmonic voltage Measured variable harmonic voltage Measured variable harmonic current 	Yes; 0 20%, referred to the nominal current 0,2 0,5 0.5 1 0.5°; not covered by IEC 61557-12 0.05; only valid for the permissible voltage measuring range 1

Isolation	
Isolation tested with	Between channels and backplane bus, 24 V supply: Routine test, 1 920 V AC, 2 s; between backplane bus and 24 V supply: Type test, 707 V DC
Ambient conditions	
Ambient temperature during operation	
horizontal installation, min.	-30 °C
 horizontal installation, max. 	60 °C
 vertical installation, min. 	-30 °C
 vertical installation, max. 	50 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	3 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Dimensions	
Width	20 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	45 g
Other	
Data for selecting a voltage transformer	
 Secondary side, max. 	300 V

last modified:

8/16/2023 🖸