## SIEMENS

## Data sheet

## 6ES7134-6PA20-0BD0



\*\*\* spare part \*\*\* SIMATIC ET 200SP, Analog input module, AI Energy Meter 480 V AC ST, suitable for BU type D0, channel diagnostics

General information	
Product type designation	AI Energy Meter 480VAC ST
Firmware version	V4.0
FW update possible	Yes
usable BaseUnits	BU type D0
	TT, TN
Supported power supply systems Product function	11, 11
Voltage measurement	Yes
without voltage transformer	Yes
— with voltage transformer	Yes
Current measurement	Yes
without current transformer	No
— with current transformer	Yes
	No
— With Rogowski coil	No
— With current-voltage-converter	Yes
Energy measurement	
Frequency measurement	Yes Yes
Power measurement	Yes
Active power measurement	
Reactive power measurement	Yes
Power factor measurement	Yes
Active factor measurement	No
Reactive power compensation	No
Line analysis	No
• I&M data	Yes; I&M0 to I&M3
Isochronous mode	No
Engineering with	1/40 OD4
<ul> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	V13 SP1
STEP 7 configurable/integrated from version	V5.5 SP4 and higher
PROFIBUS from GSD version/GSD revision	GSD Revision 5
PROFINET from GSD version/GSD revision	V2.3
Operating mode	
Cyclic measured value access	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
meening poolion	s

Supply voltage	
	Cupply via valtage measurement sharped 1.4
Design of the power supply	Supply via voltage measurement channel L1
Rated value (AC)	AC 100 - 277 V
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	293 V
Line frequency	47.11
<ul> <li>permissible range, lower limit</li> </ul>	47 Hz
<ul> <li>permissible range, upper limit</li> </ul>	63 Hz
Power loss	
Power loss, typ.	0.6 W
Address area	
Address space per module	
Inputs	256 byte
Outputs	12 byte
Hardware configuration	
	Yes
Automatic encoding	Yes
Mechanical coding element	
Type of mechanical coding element     Soluction of Pagel Init for connection variants	type C
Selection of BaseUnit for connection variants	
2-wire connection	BU type D0, BU20-P12+A0+0B
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
-9	values (cyclic und acyclic data)
Cable length	
• unshielded, max.	200 m
Analog value generation for the inputs	
Measurement principle	Sigma Delta
	-
Sampling frequency, max	
Sampling frequency, max.	1 024 kHz
Interrupts/diagnostics/status information	Т U24 КП2
Interrupts/diagnostics/status information Alarms	
Interrupts/diagnostics/status information Alarms • Diagnostic alarm	Yes
Interrupts/diagnostics/status information Alarms • Diagnostic alarm • Limit value alarm	Yes Yes
Interrupts/diagnostics/status information Alarms • Diagnostic alarm	Yes Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding
Interrupts/diagnostics/status information Alarms • Diagnostic alarm • Limit value alarm • Hardware interrupt	Yes Yes
Interrupts/diagnostics/status information Alarms    Diagnostic alarm  Limit value alarm Hardware interrupt Diagnostics indication LED	Yes Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value)
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED
Interrupts/diagnostics/status information Alarms    Diagnostic alarm  Limit value alarm Hardware interrupt  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display for channel diagnostics for module diagnostics	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED
Interrupts/diagnostics/status information Alarms    Diagnostic alarm  Limit value alarm Hardware interrupt  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display for channel diagnostics for module diagnostics for module diagnostics  Integrated Functions  Measuring functions	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS
Interrupts/diagnostics/status information Alarms   Diagnostic alarm Limit value alarm Hardware interrupt  Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics for module diagnostics Integrated Functions Measuring functions Measuring procedure for voltage measurement Measuring procedure for current measurement	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS
Interrupts/diagnostics/status information Alarms   Diagnostic alarm Limit value alarm Hardware interrupt  Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics Integrated Functions Measuring functions Measuring procedure for voltage measurement Measuring procedure for current measurement Type of measured value acquisition	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless
Interrupts/diagnostics/status information Alarms   Diagnostic alarm Limit value alarm Hardware interrupt  Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics Integrated Functions Measuring functions Measuring procedure for voltage measurement Measuring procedure for current measurement Type of measured value acquisition Curve shape of voltage	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted
Interrupts/diagnostics/status information Alarms  Diagnostic alarm Limit value alarm Hardware interrupt  Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics Integrated Functions Measuring functions Measuring procedure for voltage measurement Measuring procedure for current measurement Type of measured value acquisition Curve shape of voltage Buffering of measured variables	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes
Interrupts/diagnostics/status information Alarms  Diagnostic alarm Limit value alarm Hardware interrupt  Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics for module diagnostics Integrated Functions Measuring functions Measuring procedure for voltage measurement Measuring procedure for current measurement Type of measured value acquisition Curve shape of voltage Buffering of measured variables Parameter length	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte
Interrupts/diagnostics/status information Alarms  Diagnostic alarm Limit value alarm Hardware interrupt  Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics Integrated Functions Measuring functions Measuring procedure for voltage measurement Measuring procedure for current measurement Type of measured value acquisition Curve shape of voltage Buffering of measured variables	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz
Interrupts/diagnostics/status information Alarms    Diagnostic alarm  Limit value alarm Hardware interrupt  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display for channel diagnostics for module diagnostics Integrated Functions  Measuring functions  Measuring procedure for voltage measurement Measuring procedure for current measurement Type of measured value acquisition Curve shape of voltage Buffering of measured variables Parameter length Bandwidth of measured value acquisition Measuring range — Frequency measurement, min. — Frequency measurement, max. Measuring inputs for voltage between phase and neutral conductor	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz 45 Hz 65 Hz
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; red Fn LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; green LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz 45 Hz 65 Hz 277 V 480 V
Interrupts/diagnostics/status information Alarms  Diagnostic alarm Limit value alarm Hardware interrupt  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics for module diagnostics Integrated Functions Measuring functions Measuring procedure for voltage measurement Measuring procedure for current measurement Measuring procedure for current measurement Urype of measured value acquisition Curve shape of voltage Buffering of measured variables Parameter length Bandwidth of measured value acquisition Measuring range — Frequency measurement, min. — Frequency measurement, max. Measuring inputs for voltage Measuring inputs for voltage Measuring inputs for voltage Measuring lene voltage between the line conductors — Measurable line voltage between phase and measurable line voltage between phase and	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes; green LED Yes; green LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz 45 Hz 65 Hz
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; green/red DIAG LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz 45 Hz 65 Hz 277 V 480 V 90 V
Interrupts/diagnostics/status information Alarms	Yes Yes; Monitoring of up to 16 freely selectable process values (exceeding or undershooting of value) Yes Yes; green LED Yes; green LED Yes; green/red DIAG LED TRMS TRMS seamless Sinusoidal or distorted Yes 74 byte 2 kHz; Harmonics: 39 / 50 Hz, 32 / 60 Hz 45 Hz 65 Hz 277 V 480 V

<ul> <li>Measurable line voltage between the line conductors, min.</li> </ul>	155 V
- Measurable line voltage between the line	508 V
conductors, max.	24.00
<ul> <li>Internal resistance line conductor and neutral conductor</li> </ul>	3.4 MΩ
- Power consumption per phase	20 mW
<ul> <li>Impulse voltage resistance 1,2/50µs</li> </ul>	1 kV
— Measurement category for voltage	CAT II; CAT III in case of guaranteed protection level of 1.5 kV
measurement in accordance with IEC 61010-2- 030	
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
- Continuous current with AC, maximum	5 A
permissible	0.01/4
<ul> <li>Apparent power consumption per phase for measuring range 5 A</li> </ul>	0.6 VA
— Rated value short-time withstand current	100 A
restricted to 1 s	
<ul> <li>Input resistance measuring range 0 to 5 A</li> </ul>	25 m $\Omega$ ; 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	0.0
Measured variable voltage	0,2
Measured variable current     Measured variable apparent power	0,2 0.5
Measured variable apparent power	
<ul> <li>Measured variable reactive power</li> <li>Measured variable reactive power</li> </ul>	0.5 1
<ul> <li>Measured variable reactive power</li> <li>Measured variable power factor</li> </ul>	0.5
<ul> <li>Measured variable power factor</li> <li>Measured variable active energy</li> </ul>	0.5
Measured variable active energy     Measured variable reactive energy	1
Measured variable reactive energy     Measured variable neutral current	0.5; calculated
— Measured variable phase angle	±1 °; not covered by IEC 61557-12
— Measured variable frequency	0.05
— Measured variable frequency Potential separation	0.05
Potential separation	0.05
	0.05 No
Potential separation Potential separation channels	No
Potential separation Potential separation channels • between the channels	
Potential separation Potential separation channels  • between the channels • between the channels and backplane bus	No
Potential separation Potential separation channels • between the channels • between the channels and backplane bus Isolation	No Yes; 3 700V AC (type test) CAT III
Potential separation Potential separation channels  • between the channels • between the channels and backplane bus Isolation Isolation	No Yes; 3 700V AC (type test) CAT III
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions	No Yes; 3 700V AC (type test) CAT III
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test)
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • vertical installation, min.         • vertical installation, max.	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • vertical installation, min.         • vertical installation, max.         Altitude during operation relating to sea level	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • vertical installation, min.         • vertical installation, max.         • vertical installation, max.         Altitude during operation relating to sea level         • Ambient air temperature-barometric pressure-	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C 50 °C
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • vertical installation, max.         • vertical installation, max.         Altitude during operation relating to sea level         • Ambient air temperature-barometric pressure-altitude	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Altitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Attitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Attitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m 20 mm 73 mm
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Altitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Altitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth         Weights	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m 20 mm 73 mm 58 mm
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Attitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth         Weights         Weight, approx.	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m 20 mm 73 mm
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Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Attitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth         Weight, approx.         Other         Data for selecting a voltage transformer         • Secondary side, max.	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m 20 mm 73 mm 58 mm
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Altitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth         Weights         Weight, approx.         Other         Data for selecting a voltage transformer         • Secondary side, max.	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m 20 mm 73 mm 58 mm 45 g
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Attitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth         Weights         Weight, approx.         Other         Data for selecting a voltage transformer         • Secondary side, max.         Data for selecting a current transformer         • Burden power current transformer x/1A, min.	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C 0 °C 50 °C 0 n request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m 20 mm 73 mm 58 mm 45 g 296 V As a function of cable length and cross section, see device manual
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Altitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth         Weights         Weight, approx.         Other         Data for selecting a voltage transformer         • Secondary side, max.	No Yes; 3 700V AC (type test) CAT III 2 300V AC for 1 min. (type test) 0 °C 60 °C 0 °C 50 °C On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m 20 mm 73 mm 58 mm 45 g
Potential separation         Potential separation channels         • between the channels         • between the channels and backplane bus         Isolation         Isolation tested with         Ambient conditions         Ambient temperature during operation         • horizontal installation, min.         • horizontal installation, max.         • vertical installation, max.         • vertical installation, max.         Attitude during operation relating to sea level         • Ambient air temperature-barometric pressure- altitude         Dimensions         Width         Height         Depth         Weights         Weight, approx.         Other         Data for selecting a voltage transformer         • Secondary side, max.         Data for selecting a current transformer         • Burden power current transformer x/1A, min.	No         Yes; 3 700V AC (type test) CAT III         2 300V AC for 1 min. (type test)         0 °C         60 °C         0 °C         50 °C         O °C         50 °C         On request: Ambient temperatures lower than 0 °C (without condensation) and/or installation altitudes greater than 2 000 m         20 mm         73 mm         58 mm         45 g         296 V         As a function of cable length and cross section, see device manual