

EU TYPE EXAMINATION CERTIFICATE

Directive 2014/32/EU, Module B

0598/MID/B/25/064 Issue 3

Product	Active Electrical Energy Meters (Annex V MI-003)		
Model	Meter type(s): PM5561 PM5661 PM5761	Description: Polyphase, Active Import/ Export (kWh), Transformer Operated, Auxiliary power supply, RS485, Dual Ethernet, 2 digital outputs, 4 digital inputs	Instrument Traceable No.: 0120/SGS0131
Trademark	Schneider Electric		
Certificate holder / Manufacturer	Schneider Electric India Pvt. Ltd 12A Attibele Industrial Area, Neralur (PO), 562107, Kamataka, India		
Directive information	For the instruments mentioned in this Certificate, the following essential requirements of Directive 2014/32/EU apply: - Annex I Essential requirements - Annex V Active electrical meters (MI-003)		
Standards	EN 50470-1:2006, EN 50470-3:2006		
Validity	This certificate is valid until 2033-12-04. The manufacturer must inform SGS Fimko in case of any intended change to the design. Unauthorised changes will invalidate this certificate.		

The Manufacturer is permitted to affix the CE-marking onto the instrument(s) after complying with the conformity assessment procedures referred to in Article 17 of the Directive and to draw up a written declaration of conformity.

Date of issue 2026-04-14
SGS Fimko OY
Notified Body 0598

Signature

Tuomas Hänninen
Certification Manager



Test report(s)

Report Number	Date
EMA175578/1/MID Issue 1	2014-02-07
EMA287946/1	2021-04-01
EMA297438/1	2021-12-24
ERTL(N)2020/20IQ0102	2020-12-04

Technical information

Meter type(s): PM5561, PM5661, PM5761

Voltage rating (Uⁿ): 3*230/400V

Current rating (I_{min} – I_{ref} (I_{max})): Ansi 0.05-5(10)A
MID 0.05-5(6)A

Active Accuracy Class (kWh): C (kWh)

Type of circuit: 3P3W, 3P4W

Temperature range: -25°C ~ +70°C

Software version no.(s): PM5561: OS: V10.0.0.0 or V10.1.0.0 or V10.3.2
or V10.5.2.0 or V10.6.Z or V10.6.4 or V10.7.1 or V10.7.3
or 10.8.2 or 12.0.4 or 12.1.0 or 12.2.0 or 12.4.0 or 12.4.1
or 12.5.0
PM5661: OS: V11.0.0 or V14.0.1 or V14.02
PM5761: OS: V11.0.0 or V14.0.1 or V14.02

CRC Checksum: PM5561: 9A66 or 61CD or 9C84 or 7196 or 1496 or 1CE3
or A29D or 148A or 0x4B24 or 0xB20D or 0xB904
or 0x4288 or 0x0D8A or 0xE591 or 0x8630 or 0xEE6A
or 0x671C
PM5661: 0x8456 or 0x9692 or 0x368D
PM5761: 0x1169 or 0x4C2D or 0x5ECE

Identification location: LCD

Bill of Materials No.(s): PM5561 Comms HRB13411
PM5561 Main-Analog_HRB13412
PM5561 PSU R63230-828-50/MFR93449
PM5561 Digital IO R63230-831-50
PM5661 PM5761 COMM CARD GDE33229
PM5661 PM5761 Main Analog MFR94350
PM5661 PM5761 PSU MFR93449
PM5661 PM5761 RCM IO MFR13113

IP rating: IP54 Front Display
Meter body not rated, must be fitted
in an IP rated enclosure

Insulation protective class: Class II

LED Pulse Constant 10000 imp/kWh

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SGS Fimko Oy

Takomotie 8

FI-00380 Helsinki, Finland

t. +358 9 696 361 www.sgs.com

Business ID 0634247-4

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Impulse Voltage Rating	9kV
AC Voltage Rating	4kV
Main Cover Sealing Type	Tamper evident self-locking rivet
Integrity of Meter	Inaccessible without breaking seals
Intended Location	Indoor
Type of Register	LCD
Terminal Arrangement(s)	DIN

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Photograph of Meter and Sealing Plan

(PM5561 shown for representation. Similar plan available on PM5661& PM5761)



Main Cover Seal

Voltage Terminal Cover Sealing Point

Auxiliary Terminal Cover Sealing Point



Current Terminal Cover Sealing Points

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Example of Nameplates

PowerLogic™ PM5561

⚠ DANGER / PELIGRO

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

RIESGO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O ARCO ELÉCTRICO

RISQUE D'ÉLECTROCUTION, D'EXPLOSION OU D'ARC ELECTRIQUE

OPERATING TEMPERATURE RANGE: -25°C TO 70°C 0120/SGS0131

CURRENT INPUTS: 0.05-5(10)A

UK CA **M21** 0120

RS-485

ECTEC 0120/SGS0131

ETHERNET

(22) (23) (24) (25) (30) (31)

CONTROL POWER 100-480V±10% ~ 50/60Hz ± 10% < 16VA 125-250V±20% ~ < 5W 10,000 Imp/kWh Accuracy Class C

Link 10/100 Act Link 10/100 Act

CE **EM21** 0598

PowerLogic™ PM5661

⚠ DANGER / PELIGRO

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

RIESGO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O ARCO ELÉCTRICO

RISQUE D'ÉLECTROCUTION, D'EXPLOSION OU D'ARC ELECTRIQUE

OPERATING TEMPERATURE RANGE: -25°C TO 70°C

CURRENT INPUTS I₁, I₂, I₃, I₄: 0.05-5(10)A ANS1 10A ACTIVE ENERGY CL 0.25 REACTIVE ENERGY CL 2

DIGITAL INPUTS S1, S2: 30V~MAX, 40V~MAX 0120/SGS0131

RCM INPUTS I₁, I₂: 1.5mA~MAX

UK CA **M25** 0120

RS-485

ECTEC 0120/SGS0131

ETHERNET

(22) (23) (24) (25) (30) (31)

CONTROL POWER 100-480V±10% ~ 50/60Hz ± 10% < 13.1VA 125-250V±20% ~ < 4W 10,000 Imp/kWh ACCURACY CLASS C

Link 10/100 Act Link 10/100 Act

CE **EM25** 0598

PowerLogic™ PM5761

⚠ DANGER / PELIGRO

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

RIESGO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O ARCO ELÉCTRICO

RISQUE D'ÉLECTROCUTION, D'EXPLOSION OU D'ARC ELECTRIQUE

OPERATING TEMPERATURE RANGE: -25°C TO 70°C

CURRENT INPUTS I₁, I₂, I₃, I₄: 0.05-5(10)A ANS1 10A ACTIVE ENERGY CL 0.25 REACTIVE ENERGY CL 2

DIGITAL INPUTS S1, S2: 30V~MAX, 40V~MAX 0120/SGS0131

RCM INPUTS I₁, I₂: 1.5mA~MAX

UK CA **M25** 0120

RS-485

ECTEC 0120/SGS0131

ETHERNET

(22) (23) (24) (25) (30) (31)

CONTROL POWER 100-480V±10% ~ 50/60Hz ± 10% < 13.1VA 125-250V±20% ~ < 4W 10,000 Imp/kWh ACCURACY CLASS C

Link 10/100 Act Link 10/100 Act

CE **EM25** 0598

PowerLogic™

⚠ DANGER / PELIGRO

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

RIESGO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O ARCO ELÉCTRICO

RISQUE D'ÉLECTROCUTION, D'EXPLOSION OU D'ARC ELECTRIQUE

OPERATING TEMPERATURE RANGE: -25°C TO 70°C

CURRENT INPUTS I₁, I₂, I₃, I₄: 0.05-5(10)A ANS1 10A ACTIVE ENERGY CL 0.25 REACTIVE ENERGY CL 2

DIGITAL INPUTS S1, S2: 30V~MAX, 40V~MAX 0120/SGS0131

RCM INPUTS I₁, I₂: 1.5mA~MAX

UK CA **M21** 0120

RS-485

ECTEC 0120/SGS0131

ETHERNET

(22) (23) (24) (25) (30) (31)

CONTROL POWER 100-480V±10% ~ 50/60Hz ± 10% < 13.1VA 125-250V±20% ~ < 4W 10,000 Imp/kWh ACCURACY CLASS C

Link 10/100 Act Link 10/100 Act

CE **EM21** 0598

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Calculation of the composite error / MPE

During the type approval examination the influence factors for temperature, frequency and voltage are determined per load point. The table below represents the sum of the square values per load, determined via the following formula:

$$\delta e(T, U, f) = \sqrt{(\delta e^2(T, I, \cos\varphi) + \delta e^2(U, I, \cos\varphi) + \delta e^2(f, I, \cos\varphi))}$$

where

- $\delta e(T, I, \cos\varphi)$ = Additional error due to variation of the temperature at the same load
- $\delta e(U, I, \cos\varphi)$ = Additional error due to variation of the voltage at the same load
- $\delta e(f, I, \cos\varphi)$ = Additional error due to variation of the frequency at the same load

Influence Factors for temperature, frequency and voltage								
Current	PF Cos	-25°C	-10°C	5°C	30°C	40°C	55°C	70°C
Imin	1.0	0.23	0.16	0.09	0.02	0.06	0.11	0.13
Itr	1.0	0.24	0.17	0.10	0.02	0.05	0.10	0.15
10Itr	1.0	0.21	0.15	0.08	0.03	0.08	0.13	0.20
Imax	1.0	0.23	0.17	0.10	0.04	0.07	0.13	0.22
Itr	0.5ind	0.11	0.10	0.08	0.09	0.11	0.15	-0.32
10Itr	0.5ind	0.12	0.08	0.06	0.06	0.07	0.08	-0.10
Imax	0.5ind	0.51	0.08	0.05	0.09	0.05	0.05	0.05
Itr	0.8cap	0.11	0.26	0.14	0.06	0.12	0.22	0.36
10Itr	0.8cap	0.35	0.24	0.13	0.05	0.12	0.22	0.33
Imax	0.8cap	0.10	0.25	0.13	0.05	0.12	0.20	0.31
L1								
Itr	1.0	0.20	0.14	0.08	0.03	0.05	0.10	0.14
10Itr	1.0	0.20	0.14	0.08	0.02	0.06	0.11	0.21
Imax	1.0	0.41	0.15	0.09	0.02	0.06	0.13	0.24
Itr	0.5ind	0.15	0.11	0.09	0.10	0.12	0.20	-0.34
10Itr	0.5ind	0.13	0.09	0.07	0.08	0.09	0.09	-0.12
Imax	0.5ind	0.12	0.09	0.06	0.06	0.06	0.07	0.07
L2								
Itr	1.0	0.24	0.16	0.09	0.03	0.08	0.13	0.18
10Itr	1.0	0.23	0.17	0.09	0.03	0.08	0.15	0.20
Imax	1.0	0.25	0.22	0.10	0.03	0.07	0.15	0.25
Itr	0.5ind	0.07	0.08	0.07	0.06	0.08	0.12	-0.28
10Itr	0.5ind	0.11	0.08	0.06	0.06	0.06	0.06	-0.10
Imax	0.5ind	0.09	0.06	0.05	0.05	0.05	0.07	0.13
L3								
Itr	1.0	0.25	0.17	0.10	0.03	0.07	0.12	0.13
10Itr	1.0	0.21	0.15	0.08	0.04	0.08	0.15	0.16
Imax	1.0	0.23	0.16	0.09	0.03	0.08	0.15	0.19
Itr	0.5ind	0.08	0.08	0.07	0.08	0.09	0.12	-0.27
10Itr	0.5ind	0.13	0.10	0.07	0.08	0.08	0.10	-0.13
Imax	0.5ind	0.11	0.08	0.06	0.02	0.07	0.09	-0.05

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Annex of Variants

Product variant identification details:

Type Designation	Description of meter
PM5561	Polyphase, Active Import/ Export (kWh), Transformer Operated, Auxiliary power supply, RS485, Dual Ethernet, 2 digital outputs, 4 digital inputs, ground module METSEPM55GRMD (optional)
PM5661	Polyphase, Active Import / Export (kWh), Transformer Operated, Auxiliary power supply, RS485, Dual Ethernet, 2 digital outputs, 2 digital inputs, 2 residual current measurement inputs, ground module METSEPM55GRMD (optional)
PM5761	Polyphase, Active Import / Export (kWh), Transformer Operated, Auxiliary power supply, RS485, Dual Ethernet, 2 Digital Outputs, 2 digital inputs, 2 residual current measurement inputs, sag-swell detection & waveform capture, ground module METSEPM55GRMD (optional)

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Certificate Revision History

Issue	Date	Comments
0120/SGS0131/R1 Issue 1	2023-12-05	Re certification initial issue
1	2025-06-26	This certificate replaces earlier issued certificate number 0120/SGS0131/R1 Issue 1. The manufacturer can use the previous certificate number 0120/SGS0131/R1 in their Declaration of Conformity and other documentation until normal lifecycle of the documentation comes to its end. New EU Type Examination Certificate number: 0598/MID/B/25/064 New software versions 12.1.0, 12.2.0 and 12.4.0 and CRC's 0x0D8A, 0xE591 and 0x8630 for model PM5561
2	2025-11-14	New software version 12.4.1 and CRC 0xEE6A for model PM5561
3	2026-04-14	New software version 12.5.0 and CRC 0x671C for model PM5561

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