

EU Type Examination Certificate Number: 0120/SGS0586

RS Components Ltd

Birchington Road Corby, Northamptonshire NN17 9RS, United Kingdom

Instrument Identification:

236-9299

Polyphase, Active Import/Export (kWh), Indoor, Transformer Operated, Multi-function, Electricity Meter

Instrument Traceable Number 0120/SGS0586

has been assessed and certified as meeting the requirements of

EU Directive 2014/32/EU

on Measuring Instruments Annex II, Module B

It is certified that the manufacturer's technical design and specimen for the above instrument has been examined and, based on the evidence submitted, it is considered that the instrument conforms to the requirements of Annex V of EU Directive 2014/32/EU

This certificate must be used in conjunction with a certificate covering the product verification as required in Annex II, Module D or Annex II, Module F

This certificate is valid until 23rd April 2027 Issue 1

Certification is based on report number(s) EMA234440/2 dated 24th April 2017 EMA305851/1

Authorised Signature

Mikko Välimäki

SGS Fimko OY, Notified Body 0598 Takomotie 8, FI-00380 Helsinki, Finland t +358 9 696 f +358 692 574 www.sgs.com



DU_CST-ME-002 Rev 5 EU Type Examination Cert.



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1. Technical Data

Manufacturer	SSESSION SECURIOR SECU
Meter Types	100-00-00-00-00-00-00-00-00-00-00-00-00-
Voltage Rating (Un)	1P2W: 230V, 3P3W: 3x230V, 3P4W: 3 x 230/400V
Current Rating (Imin – Iref (Imax))	0.25-5(6)A
Frequency (Fn)	
Active Accuracy Class (kWh)	B or C (kWh)
Type of circuit	1p2w, 3p3w, 3p4w
Temperature Range	-25°C to +55°C
Software/ Firmware Version No's	100000100
CRC Checksum No's	0x0059DD5E
Identification Location	SUBSTRAIN SOCROPHING SINGES OF SECRETARY STATES OF SECRETARY STATES OF SECRETARY SECRE
Bill Of Materials No's	Smart X96-5: DH-JS-160010-1.3
P Rating	IP51 Front Display Meter body not rated. Must be installed in a suitable IP rated enclosure
Insulation Protective Class	Class I / Class II
LED Pulse Constant	3200imp/ kWh
Impulse Voltage Rating	### ### ### ### ### ### ### ### ### ##
AC Voltage Rating	### ### ##############################
Main Cover Sealing Type	Wire & Crimp & Laser Welded
Integrity of meter	Inaccessible without breaking seals
Intended Location of the Meter	98.55.65.05.55.55.55.55.55.55.55.55.55.55.55.55
Type of Register	
Terminal Arrangement(s)	
Location of Manufacturers Address	Associated Documents



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2. Photograph of Meter and Sealing Plan

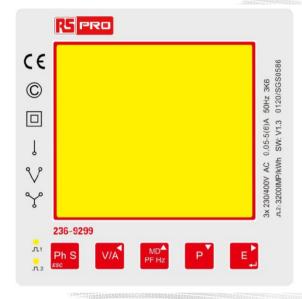




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3. Nameplates







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4. 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

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

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	Influence Factors for Temperature. Frequency & Voltage						Voltage
Current	PF Cos	-25°C	-10°C	5°C	30°C	40°C	55°C
Imin	1.0	0.21	0.20	0.14	0.07	0.19	0.39
ltr	1.0	0.25	0.24	0.20	0.10	0.17	0.37
10ltr	1.0	0.24	0.23	0.19	0.10	0.20	0.39
Imax	1.0	0.24	0.24	0.18	0.10	0.18	0.39
ltr	0.5ind	0.25	0.25	0.21	0.10	0.19	0.44
10ltr	0.5ind	0.20	0.06	0.11	0.31	0.56	0.70
Imax	0.5ind	0.23	0.19	0.10	0.36	0.51	0.51
Itr	0.8cap	0.25	0.25	0.20	0.12	0.18	0.37
10ltr	0.8cap	0.35	0.30	0.23	0.09	0.11	0.33
Imax	0.8cap	0.33	0.29	0.27	0.16	0.18	0.30
L1	8	SCA GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGS					
Itr	1.0	0.19	0.17	0.11	0.08	0.19	0.40
10ltr	1.0	0.18	0.17	0.11	0.10	0.20	0.41
Imax	1.0	0.18	0.16	0.10	0.10	0.20	0.40
3663 17 56556565656565	0.5ind	0.21	0.19	0.13	0.07	0.20	0.45
10ltr	0.5ind	0.23	0.22	0.17	0.12	0.18	0.39
Imax	0.5ind	0.19	0.17	0.13	0.09	0.19	0.41
L2	765G5G5G5G5 G5G5G5G5G5 7G5G5G5G5	S GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSG	56565656555555555555555555555555555555				
ltr	1.0	0.35	0.35	0.31	0.19	0.21	0.40
10ltr	1.0	0.29	0.30	0.25	0.16	0.22	0.47
Imax	1.0	0.30	0.30	0.27	0.15	0.20	0.43
ltr	0.5ind	0.31	0.32	0.28	0.16	0.16	0.35
10ltr	0.5ind	0.74	0.14	0.33	0.77	0.46	0.92
Imax	0.5ind	0.33	0.34	0.37	0.63	0.47	1.19
L3		GSGSGSGSGS GSGSGSGS GSGSGSGS GSGSGSGS	SGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSG		GSGSGS GSGSGS GSGSGSGS GSGSGSGS		
ltr	1.0	0.16	0.15	0.10	0.08	0.19	0.40
10ltr	1.0	0.18	0.16	0.10	0.10	0.20	0.41
Imax	1.0	0.17	0.16	0.10	0.11	0.21	0.41
ltr	0.5ind	0.17	0.20	0.17	0.12	0.26	0.58
10ltr	0.5ind	0.18	0.18	0.11	0.36	0.40	0.62
Imax	0.5ind		0.15	0.08	0.62	0.37	0.57



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5. Annex of Variants

Product Variant Identification Details:

Type Designation	Description of meter
236-9299	Active Import/Export (kWh), 3x230/400V, 5(6)A, Transformer operated, Multifunction, RS485 Modbus RTU

Modifications to the meter(s) described according to approval No.0120/SGS0586 must be notified to the issuing body to confirm the meter(s) continuing compliance to the relevant pattern approval standard(s).



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6. Document Revision History

Issue	Date	Comments
1	01/12/2022	Initial Issue

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END OF CERTIFICATE