

EU TYPE EXAMINATION CERTIFICATE

Directive 2014/32/EU, Module B

0598/MID/B/24/054 Issue 1

Product	Active Electrical Energy Meters (Annex V MI-003)		
Model	Meter type(s) iEM31** Series, EM3224 iEM33** Series, EM3424	Description Polyphase Electricity Meter iEM31xx, iEM33xx Import /Export (kWh) EM3224, EM3424 Import (kWh)	Instrument Traceable No 0120/SGS0098
Certificate holder / Manufacturer	Schneider Electric PVT Ltd 12A ATTIBELE INDUSTRIAL AREA, NERALUR(PO), KARNATAKA 562107, 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 2032-04-02 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	2024-12-18		
Signature	SGS Fimko OY Notified Body 0598  Mikko Välimäki Certification Manager		

Test report(s)

Report Number	Date
EMA153420-2	2012-04-03
EMA153420-2 Issue 2	2012-04-03
EMA184255/1/MID	2014-03-07
EMA184255/1/1p4w	2015-08-21
EMA297432/1/EM3115	2022-03-16

Technical information

Meter type(s)	iEM3110, iEM3115, iEM3155, iEM3135, iEM3165, iEM3175, EM3224
Voltage rating (U ⁿ)	100/173V - 277/480V
Current rating (I _{min} – I _{ref} (I _{max}))	0,5-10(63)A
Frequency (F _n)	50 Hz
Active Accuracy Class (kWh)	A or B (kWh)
Type of circuit	3p4w, 1p4w
Temperature range	-25°C to +70°C
Software/Firmware version no. (s)	iEM31** OS: 1.0.XXX or 1.2.XXX or 1.3.XXX or 1.4.XXX or 1.5.XXXX or 1.6.XXXX or 1.7.XXXX EM3224 OS: 2.0.XXX
CRC Checksum(s)	iEM31**, iEM33**: 0x24E427A or 0x24E0B20 or 0x23C8A0E or 0x2228602 or 0x400B9E4 or 0x040E6DE9 or 0xFC07FBCA or 0xF3FF14DC or 0xF3FEFA57 or 0x34E72646 EM3224: 3AFBC6A6h
Identification location	LCD
Bill of Materials No.(s)	iEM3110-S1B71915, iEM3115- S1B72211, iEM3155-S1B73002, iEM3135- HRB34627 iEM3165-HRB63163, iEM3175- HRB34622 EM3224- BRU17337
IP rating	Meter casing is only IP20 compliant. Therefore the meter MUST always be fitted into an IP51 approved enclosure
Insulation protective class	Class II
LED Pulse Constant	500 imp/kWh
Impulse Voltage Rating	6kV
AC Voltage Rating	4 kV
Main Cover Sealing Type	1 x Tamper-proof Adhesive Label
Integrity of Meter	Inaccessible without breaking seals
Intended location of the Meter	Indoor
Type of Register	LCD
Terminal Arrangement(s)	DIN

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Technical information	Meter type(s)	iEM3310, iEM3355, iEM3335, iEM3365, iEM3375, EM3424
	Voltage rating (U ⁿ)	100/173V - 277/480V
	Current rating (I _{min} – I _{ref} (I _{max}))	1-20(125)A
	Frequency (F _n)	50 Hz
	Active Accuracy Class (kWh)	A or B (kWh)
	Type of circuit	3p4w, 1p4w
	Temperature range	-25°C to +70°C
	Software/Firmware version no. (s)	iEM33** OS: 1.0.XXX or 1.1.XXX or 1.2.XXX or 1.3.XXXX or 1.4.XXXX or 1.5.XXXX or 1.6.XXXX EM3424: 2.0.XXX
	CRC Checksum(s)	iEM33**: 0x22EFFF0D or 0x419F2A4 or 0x0426FF59 or 0xFC209604 or 0xF419B91F or 0xF418441B or 0xF418550E or 0x88DA85C1 EM3424: FF63DC23h
	Identification location	LCD
	Bill of Materials No.(s)	iEM3310-HRB90606, iEM3355-HRB90608, iEM3335- HRB90609, iEM3365- HRB90610, iEM3375- HRB90611, EM3424- BRU17345
	IP rating	Meter casing is only IP20 compliant. Therefore the meter MUST always be fitted into an IP51 approved enclosure
	Insulation protective class	Class II
	LED Pulse Constant	500 imp/kWh
	Impulse Voltage Rating	6kV
	AC Voltage Rating	4 kV
	Main Cover Sealing Type	1 x Tamper-proof Adhesive Label
	Integrity of Meter	Inaccessible without breaking seals
	Intended location of the Meter	Indoor
	Type of Register	LCD
	Terminal Arrangement(s)	DIN