



5386



UKCA Type Examination Certificate Number: **0120/SGS0098**

Schneider Electric PVT Ltd

12A ATTIBELE INDUSTRIAL AREA, NERALUR(PO),
KARNATAKA 562107, INDIA

Instrument Identification:
iEM31, iEM33**
EM3224, EM3424**

Polyphase, Active Import/ Export (kWh), Direct Connected, Electricity Meter

Instrument Traceable Number
0120/SGS0098

has been assessed and certified as meeting the requirements of

Measuring Instruments Regulations 2016 (as amended)

on Active electrical energy meters, Schedule 1B, 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 Schedule 1E, as referenced in the UK Measuring Instruments Regulations 2016, as amended

This certificate must be used in conjunction with a certificate covering the product verification as required in Schedule 1B, Module D or Schedule 1B, Module F

This certificate is valid until 2nd April 2032

Issue 3


Certification is based on report number(s)
EMA153420-2 Issue 2 dated 3rd April 2012, EMA184255/1/MID dated 7th March 2014, EMA184255/1/1p4w dated 21st August 2015
EMA299737/1

Authorised Signature

Lewis (Hoyoung) Lee


Contact Address
SGS United Kingdom Limited, Approved Body 0120
Units 12A & 12B, South Industrial Estate, Bowburn, Durham, DH6 5AD, UK
t +44 (0)191 377 2000 f +44 (0)191 377 2020 www.sgs.com



	UKCA Type Examination Certificate Number:	
	0120/SGS0098	
	Issue Number: 3	Dated: 19 th December 2024

1. Technical Data iEM31xx & EM3224

Manufacturer	Schneider Electric PVT Ltd
Meter Type	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)	50Hz
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 No's	iEM31**, iEM33**: 0x24E427A or 0x24E0B20 or 0x23C8A0E or 0x2228602 or 0x400B9E4 or 0x040E6DE9 or 0xFC07FBCA or 0xF3FF14DC or 0xF3FEFA57 or 0x34E72646 EM3224: EB2EF0BDh
Identification Location	LCD
Bill of Materials No's	iEM3110-S1B71915, iEM3115- S1B72211 iEM3155-S1B73002 iEM3135- HRB34627 iEM3165-HRB63163 iEM3175- HRB34622 EM3224- BRU17337
IP Rating *=- The meter casing is only IP20 compliant. Therefore the meter MUST always be fitted into an IP51 approved enclosure.	IP20 Casing*
Insulation Protective Class	Class II
LED Pulse Constant	500 imp/ kWh
Impulse Voltage Rating	6kV
AC Voltage Rating	4kV
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
Location of Manufacturers Address	Nameplate

	UKCA Type Examination Certificate Number:	
	0120/SGS0098	
	Issue Number: 3	Dated: 19 th December 2024

Technical Data iEM33xx & EM3424

Manufacturer	Schneider Electric
Meter Type	iEM3310, iEM3355, iEM3335, iEM3365, iEM3375, EM3424
Voltage Rating (<i>Un</i>)	100/173V - 277/480V
Current Rating (<i>I_{min}</i> – <i>I_{ref}</i> (<i>I_{max}</i>))	1-20(125)A
Frequency (<i>Fn</i>)	50Hz
Active Accuracy Class (<i>kWh</i>)	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 OS: 2.0.XXXX
CRC Checksum No's	0x22EFFF0D or 0x419F2A4 or 0x0426FF59 or 0xFC209604 or 0xF419B91F or 0xF418441B or 0xF418550E or 0x88DA85CE EM3424: FF63DC23h
Identification Location	LCD
Bill of Materials No's	iEM3310-HRB90606 iEM3355-HRB90608 iEM3335- HRB90609 iEM3365- HRB90610 iEM3375- HRB90611 EM3424- BRU17345
IP Rating * = The meter casing is only IP20 compliant. Therefore the meter MUST always be fitted into an IP51 approved enclosure.	IP20 Casing*
Insulation Protective Class	Class II
LED Pulse Constant	200 imp/ kWh
Impulse Voltage Rating	6kV
AC Voltage Rating	4kV
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
Location of Manufacturers Address	Nameplate