



Main

Range	Acti 9
Range of product	Acti 9 iEM3000
Device short name	IEM3255
Product or component type	Energy meter

Complementary

Poles description	1P + N 3P 3P + N
Type of measurement	Active and reactive power Active and reactive energy Voltage Current
Metering type	Active, reactive, apparent energy (signed, four quadrant)
Device application	Sub billing Multi-tariff Partial meter
Accuracy class	Active energy : class 0.5S according to IEC 62053-22 Active energy : class 0.5S according to IEC 61557-12 Active energy : class C according to EN 50470-3
Input type	External CT 1 A or 5 A
[In] rated current	1 A 5 A
Rated voltage	100...277 V 173...480 V
Network frequency	50 Hz 60 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	1...32767000 mA

Maximum value measured	99999999 MWh
Tariff input	4 tariff
Communication port protocol	Modbus RTU 9.6, 19.2 and 38.4 kbauds even/odd or none
Communication port support	Screw terminal block : RS485
Local signalling	Power ON : indicator light (green) Accuracy checking : flashing LED (yellow) Overload : alarm Communications are active on the Modbus port (Modbus) : indicator light (yellow)
Number of inputs	1 digital 0...5 V/11...40 V 24 V DC
Number of outputs	1 digital (static)
Output voltage	5...40 V DC < 50 mA
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Current circuit : screw terminals 6 mm ² Voltage circuit : screw terminals 2.5 mm ²
Overvoltage category	III
Standards	IEC 61036 IEC 61557-12 IEC 62053-22 IEC 62053-23 IEC 61010 UL 61010-1
Product certifications	UL EAC (sub-meter) CE - IEC 61010 (safety) CE - IEC 61326-1 (EMC) CULus - ANSI C12.20 (sub-meter) MID - EN 62052 (sub-meter) RCM - NMI M 6-1 (sub-meter) MID - EN 50470-3 (sub-meter) CE - EN 61557-12 (power monitor) CULus - UL 61010 (safety)

Environment

IP degree of protection	IP20 (body) conforming to IEC 60529 IP40 (front panel) conforming to IEC 60529
Pollution degree	2
Relative humidity	5...95 % at 50 °C
Ambient air temperature for operation	-25...60 °C (NMI) -25...60 °C (IEC) -25...55 °C (MID)
Ambient air temperature for storage	-40...85 °C
Operating altitude	< 2000 m
Colour	White
9 mm pitches	10
Width	90 mm
Height	95 mm
Depth	69 mm

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1214 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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