



Main

Range	Acti 9
Product name	Acti 9 iEM3000
Device short name	IEM3165
Product or component type	Energy meter

Complementary

Poles description	1P + N 3P 3P + N
Type of measurement	Voltage Current Active and reactive power Active and reactive energy
Metering type	Active, reactive, apparent energy (signed, four quadrant)
Device application	Sub billing Multi-tariff Partial meter
Accuracy class	Active energy : class 1 according to IEC 62053-21 Active energy : class B according to EN 50470-3 Active energy : class 1 according to IEC 61557-12
Analogue input type	Direct input
[In] rated current	63 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	0...63 A
Maximum value measured	99999999.9 kWh
Information displayed	4 tariff
Communication port protocol	BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds
Communication port support	Screw terminal block : RS485
Local signalling	Power ON : indicator light (green) Accuracy checking : flashing LED (yellow) Overload : alarm
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	Screw terminals 16 mm ²
Overvoltage category	III
Standards	IEC 61036

IEC 61557-12
IEC 62053-21
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)
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Environment

IP degree of protection	IP40 (front panel) conforming to IEC 60529 IP20 (body) 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 1308 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
