



Main

Range	Acti 9
Product name	Acti 9 iEM3000
Device short name	IEM3150
Product or component type	Energy meter
Market segment	Buildings Small building (Energy Cost management) , for Billing Main incomer in Buildings Small building (Energy Cost management) , for Billing Sub feeder in Buildings Small building (Energy Cost management) , for Billing Panelboard in Buildings Medium building (Energy Cost management) , for Billing Main incomer in Buildings Medium building (Energy Cost management) , for Billing Sub feeder in Buildings Medium building (Energy Cost management) , for Billing Panelboard in Buildings Large building (Energy Cost management) , for Billing Main incomer in Buildings Large building (Energy Cost management) , for Billing Sub feeder in Buildings Large building (Energy Cost management) , for Billing Panelboard in Buildings Multi-site (Energy Cost management) , for Billing Main incomer in Buildings Multi-site (Energy Cost management) , for Billing Sub feeder in Buildings Multi-site (Energy Cost management) , for Billing Panelboard in Datacenter (Energy Cost management) , for Billing Healthcare (Energy Cost management) , for Billing Industry (Energy Cost management) , for Billing Buildings Small building (Energy Cost management) , for Cost allocation Main incomer in Buildings Small building (Energy Cost management) , for Cost allocation Sub feeder in Buildings Small building (Energy Cost management) , for Cost allocation Panelboard in Buildings Medium building (Energy Cost management) , for Cost allocation Main incomer in Buildings Medium building (Energy Cost management) , for Cost allocation Sub feeder in Buildings Medium building (Energy Cost management) , for Cost allocation Panelboard in Buildings Large building (Energy Cost management) , for Cost allocation Main incomer in Buildings Large building (Energy Cost management) , for Cost allocation Sub feeder in Buildings Large building (Energy Cost management) , for Cost allocation Panelboard in Buildings Multi-site (Energy Cost management) , for Cost allocation Main incomer in Buildings Multi-site (Energy Cost management) , for Cost allocation Sub feeder in Buildings Multi-site (Energy Cost management) , for Cost allocation Panelboard in Datacenter (Energy Cost management) , for Cost allocation Healthcare (Energy Cost management) , for Cost allocation Industry (Energy Cost management) , for Cost allocation

Complementary

Poles description	3P + N 1P + N
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	3P
Type of measurement	Voltage Current Active power Active energy
Device application	Partial meter Sub billing
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
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) Communications are active on the Modbus port (Modbus) : indicator light (yellow)
Number of inputs	0
Number of outputs	0
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Screw terminals 16 mm ²
Overvoltage category	III
Standards	IEC 61010 IEC 62053-21 IEC 61036 IEC 61557-12 UL 61010-1 IEC 62053-23
Product certifications	UL EAC (sub-meter) CE - IEC 61010 (safety) CE - IEC 61326-1 (EMC) CULus - ANSI C12.20 (sub-meter) RCM - NMI M 6-1 (sub-meter) CE - EN 61557-12 (power monitor) CULus - UL 61010 (safety)
Market segment	Residential Small commercial
Compatibility code	IEM3150

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  Product environmental

Contractual warranty

Warranty period	18 months
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