Product data sheet
Characteristics

A9MEM3465
iEM3465 energy meter - BACnet - 1 DI - 1 DO - multi-tariff - LVCT

Main

Range	Acti 9
Product name	Acti 9 iEM3000
Device short name	IEM3465
Product or component type	Energy meter
	Sub feeder in buildings small building, for billing (Energy cost management) Panelboard in buildings multi-site, for billing (Energy cost management) Sub feeder in buildings multi-site, for billing (Energy cost management) Panelboard in buildings medium building, for billing (Energy cost management) Main incomer in buildings multi-site, for cost allocation (Energy cost management) Sub feeder in buildings multi-site, for cost allocation (Energy cost management) Industry, for cost allocation (Energy cost management) Sub feeder in buildings medium building, for cost allocation (Energy cost management) Main incomer in buildings small building, for cost allocation (Energy cost management) Panelboard in buildings large building, for cost allocation (Energy cost management) Panelboard in buildings multi-site, for cost allocation (Energy cost management) Panelboard in buildings medium building, for cost allocation (Energy cost management) Sub feeder in buildings small building, for cost allocation (Energy cost management) Panelboard in buildings small building, for cost allocation (Energy cost management) Main incomer in buildings medium building, for cost allocation (Energy cost management) Sub feeder in buildings large building, for billing (Energy cost management) Panelboard in buildings large building, for billing (Energy cost management) Datacenter, for billing (Energy cost management) Sub feeder in buildings large building, for cost allocation (Energy cost management) Main incomer in buildings small building, for billing (Energy cost management) Healthcare, for cost allocation (Energy cost management) Sub feeder in buildings medium building, for billing (Energy cost management) Main incomer in buildings large building, for billing (Energy cost management) Main incomer in buildings multi-site, for billing (Energy cost management) Main incomer in buildings large building, for cost allocation (Energy cost management) Healthcare, for billing (Energy cost management) Datacenter, for cost allocation (Energy cost management) Industry, for billing (Energy cost management) Main incomer in buildings medium building, for billing (Energy cost management) Panelboard in buildings small building, for billing (Energy cost management)

Complementary

Poles description	3P + N 3P 1P + N
Type of measurement	Current Active and reactive power Voltage Active and reactive energy
Device application	Multi-tariff Partial meter Sub billing
Accuracy class	Active energy : class 0.5S according to ANSI C12.20 Active energy : class 0.5S according to IEC 62053-22
Analogue input type	Split core current transducer 0.333 V or 1 V
Rated voltage	100...277 V +/- 20% 173...480 V +/- 20 %
Network frequency	60 Hz 50 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	1 mA...32767 A
Maximum value measured	99999999 MWh 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	Accuracy checking : flashing LED (yellow) Overload : alarm Power ON : indicator light (green)
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	Voltage circuit : screw terminals 2.5 mm² Input/Output circuit : screw terminals 1.5 mm² Communication : screw terminals 2.5 mm² Current circuit : screw terminals 6 mm²
Tightening torque	Input/Output circuit : 0.5 N.m Philips Current circuit : 0.8 N.m pozidriv Communication : 0.5 N.m Philips Voltage circuit : 0.5 N.m Philips
Wire stripping length	6 mm input/output circuit 8 mm current circuit 7 mm communication 8 mm voltage circuit
Standards	IEC 62053-23 IEC 61010 UL 61010-1 IEC 61557-12 IEC 61036 IEC 62053-21
Product certifications	CULus conforming to UL 61010-1 CE conforming to IEC 61010 UL

Environment

IP degree of protection	IP40 (front panel) conforming to IEC 60529 IP20 (body) conforming to IEC 60529
IK degree of protection	IK08
Pollution degree	2
Relative humidity	5...95 % at 36 °C
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	< 3000 m
Colour	White
9 mm pitches	10
Width	90 mm
Height	87 mm
Depth	69 mm

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1530 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available Product Environmental
Product end of life instructions	Available End Of Life Manual