Product data sheet
Characteristics

A9MEM2010
modular single phase power meter iEM2010 - 230V - 40A with pulse

Green Premium™

Main

Range	Acti 9
Product name	Acti 9 iEM2000
Device short name	IEM2010
Product or component type	Energy meter
Market segment	Buildings / Small building (Energy Cost management) for Panelboard in Billing
	Buildings / Medium building (Energy Cost management) for Panelboard in Billing
	Buildings / Large building (Energy Cost management) for Panelboard in Billing
	Buildings / Multi-site (Energy Cost management) for Panelboard in Billing
	Datacenter (Energy Cost management) for Panelboard in Billing
	Healthcare (Energy Cost management) for Panelboard in Billing
	Industry (Energy Cost management) for Panelboard in Billing
	Buildings / Small building (Energy Cost management) for Panelboard in Cost allocation
	Buildings / Medium building (Energy Cost management) for Panelboard in Cost allocation
	Buildings / Large building (Energy Cost management) for Panelboard in Cost allocation
	Buildings / Multi-site (Energy Cost management) for Panelboard in Cost allocation
	Datacenter (Energy Cost management) for Panelboard in Cost allocation
	Healthcare (Energy Cost management) for Panelboard in Cost allocation
	Industry (Energy Cost management) for Panelboard in Cost allocation

Complementary

Poles description	1P + N
Type of measurement	Active power
Device application	Sub billing
Accuracy class	Active energy : class 1 according to IEC 62053-21
Analogue input type	Direct input
[In] rated current	40 A
Rated voltage	230 V +/- 20%
Network frequency	50 Hz
	60 Hz
Frequency measurement range	48...62 Hz
Technology type	Electronic

Display type	Electromechanical
Sampling rate	32 samples/cycle
Measurement current	0...40 A
Display digits	7
Maximum value measured	999999.9 kWh
Communication port protocol	-
Communication port support	-
Local signalling	Indicator light (green) : power ON Indicator light (yellow) : metering and activity 3200 p/kWh
Number of inputs	0
Number of outputs	1 pulse
Output voltage	5...35 V DC (20 mA)
Impulse duration	120 ms
Power consumption in VA	10 VA
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Power circuit : bottom tunnel type terminals for 1 10 mm² Remote transfer : top tunnel type terminals for 1 4 mm²
Tightening torque	Power circuit : 1.2 N.m Remote transfer : 0.8 N.m
Standards	IEC 61557-12 IEC 62053-21
Product certifications	MID CE
Compatibility code	IEM2010

Environment

IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-20...70 °C at < 32 A -20...55 °C at >= 32 A
Ambient air temperature for storage	-40...70 °C
Relative humidity	95 % at 55 °C
Colour	White
9 mm pitches	2
Width	18 mm
Height	95 mm
Depth	67 mm
Product weight	0.073 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0926 - 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 end of life instructions	Available

Contractual warranty

Warranty period	18 months

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