Product data sheet
Characteristics

A9MEM3210
iEM3210 energy meter - CT - 1 pulse O - MID



Main

Range	Acti9
Product name	Acti9 iEM3000
Product or component type	Energy meter
Device short name	iEM3210
Market segment	Buildings small building cost management: billing: main incomer Buildings small building cost management: billing: sub feeder Buildings small building cost management: billing: panelboard Buildings medium building cost management: billing: main incomer Buildings medium building cost management: billing: sub feeder Buildings medium building cost management: billing: panelboard Buildings large building cost management: billing: main incomer Buildings large building cost management: billing: sub feeder Buildings large building cost management: billing: panelboard Buildings multi-site cost management: billing: main incomer Buildings multi-site cost management: billing: sub feeder Buildings multi-site cost management: billing: panelboard Data center cost management: billing Healthcare cost management: billing Industry cost management: billing Buildings small building cost management: cost allocation: main incomer Buildings small building cost management: cost allocation: sub feeder Buildings small building cost management: cost allocation: panelboard Buildings medium building cost management: cost allocation: main incomer Buildings medium building cost management: cost allocation: sub feeder Buildings medium building cost management: cost allocation: panelboard Buildings large building cost management: cost allocation: main incomer Buildings large building cost management: cost allocation: sub feeder Buildings large building cost management: cost allocation: panelboard Buildings multi-site cost management: cost allocation: main incomer Buildings multi-site cost management: cost allocation: sub feeder Buildings multi-site cost management: cost allocation: panelboard Data center cost management: cost allocation Healthcare cost management: cost allocation Industry cost management: cost allocation

Complementary

Poles description	3P 1P + N 3P + N
Type of measurement	Active energy
Device application	Partial meter Sub billing
Accuracy class	Class 0.5S active energy conforming to IEC 62053-22 Class 0.5S active energy conforming to IEC 61557-12 Class C active energy conforming to EN 50470-3
Analogue input type	Current transformer 1 A or 5 A
[In] rated current	5 A 1 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
Communication port protocol	-
Communication port support	-
Local signalling	Green indicator light: power ON Yellow flashing LED: accuracy checking
Number of inputs	0
Number of outputs	1 pulse
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Current circuit: screw terminals 6 mm² cable(s) Voltage circuit: screw terminals 2.5 mm² cable(s)
Overvoltage category	III
Standards	BS EN 61557-12:2021 IEC 61557-12:2021 EN 61557-12:2021 BS EN 61326-1 IEC 61326-1 EN 61326-1 BS EN 62052-11:2020 IEC 62052-11:2020 EN 62052-11:2020 BS EN 62053-21 IEC 62053-21 EN 62053-21 BS EN 62052-22 IEC 62053-22:2020 EN 62052-22 BS EN 62052-23 IEC 62053-23:2020 EN 62052-23 BS EN 62052-31:2015 IEC 62052-31:2015 EN 62052-31:2015 BS EN 61010-1:2010 EN 61010-1:2010 IEC 61010-1:2010 UL 61010-1:2010 BS EN 61010-2-30 IEC 61010-2-30 EN 61010-2-30 UL 61010-2-30 BS EN 50470-3 EN 50470-3 BS EN 50470-1 EN 50470-1 ANSI C12.20
Product certifications	CE conforming to IEC 61010-1 (safety)[RETURN]CE conforming to EN 61557-12 (power monitor)[
Market segment	Residential Small commercial
Compatibility code	IEM3210

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…70 °C - IEC
Ambient air temperature for storage	-40…85 °C
Operating altitude	< 3000 m
Colour	White

9 mm pitches	10
Width	90 Mm
Height	95 Mm
Depth	69 Mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.900 Cm
Package 1 Width	9.500 Cm
Package 1 Length	10.600 Cm
Package 1 Weight	338.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	10.616 Kg

Offer Sustainability

Recyclability potential, in %	20
Total lifecycle Carbon footprint	50 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	7.717482885665309
Carbon footprint of the manufacturing phase [A1 to A3]	8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.6030621651580255
Carbon footprint of the distribution phase [A4]	0.6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.007229211660867101
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	41.1361941862781
Carbon footprint of the use phase [B2, B3, B4, B6]	41 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.528974477735213
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	50
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	42862582-963e-496c-8dc2-03d28b073468
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised