Product data sheet
Characteristics

A9MEM3375
iEM3375 energy meter - 125 A - LON - 1 digital I - multi-tariff - MID



Main

Range	Acti9
Product name	Acti9 iEM3000
Product or component type	Energy meter
Device short name	iEM3375
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 + N 3P 1P + N
Type of measurement	Active and reactive energy Active and reactive power Current Voltage
Metering type	Active, reactive, apparent energy (signed, four quadrant)
Device application	Multi-tariff Sub billing Partial meter
Accuracy class	Class 1 active energy conforming to IEC 62053-21 Class 1 active energy conforming to IEC 61557-12 Class B active energy conforming to EN 50470-3
Analogue input type	Direct connection
[In] rated current	125 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…125 A
Maximum value measured	99999999.9 kWh
Information displayed	Tariff (4)
Communication port protocol	LON, insulation 3750 V
Communication port support	Screw terminal block: LonWorks TP/FT-10

Local signalling	Green indicator light: power ON Yellow flashing LED: accuracy checking alarm: overload
Number of inputs	1 digital 0...5 V/11...40 V 24 V DC
Number of outputs	0
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Screw terminals 50 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 62052-23 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 C12.16
Product certifications	CE conforming to IEC 61010-1 (safety)[RETURN]CE conforming to EN 61557-12 (power monit
Compatibility code	IEM3375

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…55 °C - MID -25…70 °C - IEC -25…60 °C - IEC
Ambient air temperature for storage	-40…85 °C
Operating altitude	< 3000 m
Colour	White
9 mm pitches	14
Width	126 Mm
Height	103.2 Mm
Depth	69.3 Mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.000 Cm
Package 1 Width	11.000 Cm
Package 1 Length	13.000 Cm
Package 1 Weight	700.000 G

Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	13.087 Kg

Offer Sustainability

Recyclability potential, in %	32
Total lifecycle Carbon footprint	67 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	13.174275279414342
Carbon footprint of the manufacturing phase [A1 to A3]	13 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.14099119985776443
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.14114992606595014
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	52.474999999999994
Carbon footprint of the use phase [B2, B3, B4, B6]	52 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.8821367746129296
Carbon footprint of the end-of-life phase [C1 to C4]	0.9 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	67
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	Bcaed015-d429-4e8d-99a4-152d79a583b7
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 and

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised