

Product datasheet

Specifications



iEM3355 energy meter. 125 A.
Modbus. 1 digital I. 1 digital O. multi-tariff. MID

A9MEM3355

Price: 6,724.81 ZAR

Main

Range	Acti9
range of product	Acti9 iEM3000
Product or component type	Energy meter
Device short name	iEM3355

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 1P + N 3P
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

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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
tariff input	Tariff (4)
Communication port protocol	Modbus RTU at 9.6, 19.2 and 38.4 kbauds even/odd or none, insulation 4000 V
Communication port support	Screw terminal block: RS485
Local signalling	Green indicator light: power ON Yellow flashing LED: accuracy checking alarm: overload Yellow indicator light: communications are active on the Modbus port (Modbus)
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	Screw terminals 50 mm ² 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) CE conforming to EN 61557-12 (power monitor) CE conforming to EN/IEC 61326-1 (EMC) UKCA conforming to BS EN 61010-1 (safety) UKCA conforming to BS EN 61557-12 (power monitor) UKCA conforming to BS EN 61326-1 (EMC) CULus conforming to UL 61010-1 (safety) CULus conforming to EN 61010-1 (safety) EAC conforming to EN 50470-3 (sub-meter) RCM conforming to EN 62052 (sub-meter) KZ conforming to EN 50470-3 (sub-meter) METAS conforming to EN 50470-1 (sub-meter) MID conforming to EN 50470-3 (sub-meter) MID conforming to EN 50470-1 (sub-meter) NMI conforming to NMI M 6-1
Compatibility code	IEM3355

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	8.500 cm
Package 1 Width	11.300 cm
Package 1 Length	13.100 cm
Package 1 Weight	698.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	11.564 kg
Unit Type of Package 3	P12
Number of Units in Package 3	384
Package 3 Height	110.000 cm

Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	286.536 kg

Contractual warranty

Warranty (in months)	18
-----------------------------	----



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint	66
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	1370256b-4f45-45cb-ba74-d245fc174cf9
REACH Regulation	REACH Declaration
Halogen-free status	Halogen free plastic parts product

Use Longer

Lifetime extension

Repair	No
--------	----

Use Again

Repack and remanufacture

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 never end up in rubbish bins

Technical Illustration

User interface / product ON

