

## Product data sheet

### Characteristics

# A9MEM3465

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



### Main

Range	Acti9
Range of product	Acti9 iEM3000
Device short name	iEM3465
Product or component type	Energy meter

### Complementary

Poles description	3P 1P + N 3P + 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	Sub billing Multi-tariff Partial meter
Accuracy class	Class 0.5S active energy conforming to IEC 62053-22 Class 0.5S active energy conforming to ANSI C12.20
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...32767000 mA
Maximum value measured	99999999.9 kWh 99999999 MWh
Tariff input	Tariff (4)
Communication port protocol	BACnet at 9.6, 19.2, 38.4, 57.6, 76.8 kbauds
Communication port support	Screw terminal block: RS485
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	1 digital (static)
Output voltage	5...40 V DC@50 mA
Mounting mode	Clip-on
Mounting support	DIN rail

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Connections - terminals	Current circuit: screw terminals 6 mm <sup>2</sup> cable(s) Voltage circuit: screw terminals 2.5 mm <sup>2</sup> cable(s) Input/Output circuit: screw terminals 1.5 mm <sup>2</sup> cable(s) Communication: screw terminals 2.5 mm <sup>2</sup> cable(s)
Tightening torque	Input/Output circuit: 0.5 N.m Philips screwdriver Voltage circuit: 0.5 N.m Philips screwdriver Current circuit: 0.8 N.m pozidriv screwdriver Communication: 0.5 N.m Philips screwdriver
Wire stripping length	Input/Output circuit: 6 mm Voltage circuit: 8 mm Current circuit: 8 mm Communication: 7 mm
Standards	BS EN 61326-1 IEC 61326-1 EN 61326-1 BS EN 61010-1 EN 61010-1 IEC 61010-1 UL 61010-1 BS EN 61010-2-30 IEC 61010-2-30 EN 61010-2-30 UL 61010-2-30 ANSI C12.20
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) KZ RCM

## 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 - IEC
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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.8 cm
Package 1 Width	9.8 cm
Package 1 Length	10.5 cm
Package 1 Weight	359 g
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.483 kg
Unit Type of Package 3	P06

Number of Units in Package 3	240
Package 3 Height	50 cm
Package 3 Width	80 cm
Package 3 Length	60 cm
Package 3 Weight	100.364 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins