A9MEM3165

iEM3165 energy meter - 63 A - BACnet - 1 digital I - 1 digital O - multi-tariff





Main

Range	Acti 9
Product name	Acti 9 iEM3000
Device short name	IEM3165
Product or component type	Energy meter

Complementary

Type of measurement Type of measurement Voltage Current Active and reactive power Active and reactive power Active and reactive energy Metering type Active, reactive, apparent energy (signed, four quadrant) Device application Sub billing Multi-tariff Partial meteer Accuracy class Active energy: class 1 according to IEC 62053-21 Active energy: class 1 according to EN 50470-3 Active energy: class 1 according to EN 50470-3 Active energy: class 1 according to IEC 61557-12 Analogue input type Direct input [In] rated current 63 A Rated voltage 100277 V 173480 V Network frequency 50 Hz Technology type Electronic Display type LOD display Sampling rate 32 samples/cycle Measurement current 063 A Maximum value measured 9999999.9 kWh Information displayed 4 tariff Communication port support Screw terminal block: RS485 Communication port support Screw terminal block: RS485 Local signalling Power ON: indicator light (green) Accuracy checking: flashing LED (yellow) Overdead: alarm Number of inputs 1 digital (s.s. V/140 V 24 V DC Number of outputs 1 digital (s.s. V/140 V 24 V DC Number of outputs 1 digital (static) Vouput voltage Mounting mode Clip-On Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Vovervoltage category III	Poles description	1P + N
Current Active and reactive power Active and reactive power Active and reactive power Active and reactive energy (signed, four quadrant) Device application Sub billing Multi-tariff Partial meter		3P 3P + N
Device application Sub billing Multi-tariff Partial meter Accuracy class Active energy : class 1 according to IEC 62053-21 Active energy : class B according to EN 50470-3 Active energy : class B according to EN 50470-3 Active energy : class B according to EN 50470-3 Active energy : class B according to EN 50470-3 Active energy : class B according to IEC 61557-12 Analogue input type Direct input 63 A Rated voltage 100_277 V 173480 V Network frequency 50 Hz 60 Hz Technology type Electronic Display type LCD display Sampling rate 32 samples/cycle Measurement current 063 A Maximum value measured 9999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicard riight (green) Accuracy checking : flashing LED (yellow) Overload : alarm Number of inputs 1 digital (static) Output voltage Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Type of measurement	Current Active and reactive power
Multi-tariff Partial meter Accuracy class Active energy : class 1 according to IEC 62053-21 Active energy : class 1 according to EN 50470-3 Active energy : class B according to EN 50470-3 Active energy : class B according to EN 50470-3 Active energy : class 1 according to IEC 61557-12 Analogue input type Direct input [In] rated current 63 A [In] rated current 63 A [In] rated current 63 A [In] rated voltage 100277 V 173480 V [In] rated voltage 50 Hz 60 Hz [In] rated current 60 Hz [In] rated voltage File for inc [In] rated voltage	Metering type	Active, reactive, apparent energy (signed, four quadrant)
Active energy: class B according to EN 50470-3 Active energy: class 1 according to IEC 61557-12 Analogue input type [In] rated current 63 A Rated voltage 100277 V 173480 V Network frequency 50 Hz 60 Hz Technology type Electronic Display type LCD display Samples/cycle Measurement current 063 A Maximum value measured 9999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block: RS485 Local signalling Power ON: indicator light (green) Accuracy checking: flashing LED (yellow) Overload: alarm Number of inputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Connections - terminals Conerctions - terminals Screw terminals 16 mm² Corevoltage category III	Device application	Multi-tariff
Inj rated current	Accuracy class	Active energy: class B according to EN 50470-3
Rated voltage 100277 V 173480 V Network frequency 50 Hz 60 Hz Fechnology type Electronic Display type LCD display Sampling rate 32 samples/cycle Measurement current 063 A Maximum value measured 9999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green) Accuracy checking : flashing LED (yellow) Overload : alarm Number of inputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Analogue input type	Direct input
Network frequency 50 Hz 60 Hz Technology type Electronic Display type LCD display Sampling rate 32 samples/cycle Measurement current 063 A Maximum value measured 9999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green) Accuracy checking : flashing LED (yellow) Overload : alarm Number of inputs 1 digital 05 V/1140 V 24 V DC Number of outputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	In] rated current	63 A
Technology type Electronic Display type LCD display Sampling rate 32 samples/cycle Measurement current 063 A Maximum value measured 99999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green) Accuracy checking : flashing LED (yellow) Overload : alarm Number of inputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Rated voltage	
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Sampling rate 32 samples/cycle Measurement current 063 A Maximum value measured 99999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green)	Technology type	Electronic
Measurement current 063 A Maximum value measured 99999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green)	Display type	LCD display
Maximum value measured 99999999.9 kWh Information displayed 4 tariff Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green)	Sampling rate	32 samples/cycle
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Communication port protocol BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green) Accuracy checking : flashing LED (yellow) Overload : alarm Number of inputs 1 digital 05 V/1140 V 24 V DC Number of outputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Maximum value measured	99999999.9 kWh
Communication port support Screw terminal block : RS485 Local signalling Power ON : indicator light (green) Accuracy checking : flashing LED (yellow) Overload : alarm Number of inputs 1 digital 05 V/1140 V 24 V DC Number of outputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	nformation displayed	4 tariff
Local signalling Power ON: indicator light (green) Accuracy checking: flashing LED (yellow) Overload: alarm Number of inputs 1 digital 05 V/1140 V 24 V DC Number of outputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Communication port protocol	BACnet 9.6, 19.2, 38.4, 57.6, 76.8 kbauds
Accuracy checking : flashing LED (yellow) Overload : alarm Number of inputs 1 digital 05 V/1140 V 24 V DC Number of outputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Communication port support	Screw terminal block : RS485
Number of outputs 1 digital (static) Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	ocal signalling	Accuracy checking: flashing LED (yellow)
Output voltage 540 V DC < 50 mA Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Number of inputs	1 digital 05 V/1140 V 24 V DC
Mounting mode Clip-on Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Number of outputs	1 digital (static)
Mounting support DIN rail Connections - terminals Screw terminals 16 mm² Overvoltage category III	Output voltage	540 V DC < 50 mA
Connections - terminals Screw terminals 16 mm² Overvoltage category III	Mounting mode	Clip-on
Overvoltage category III	Mounting support	DIN rail
	Connections - terminals	Screw terminals 16 mm ²
Standards IEC 61036	Overvoltage category	III
	Standards	IEC 61036

	IEC 61557-12 IEC 62053-21 IEC 62053-23 IEC 61010 UL 61010-1
Product certifications	UL EAC (sub-meter)
	CE - IEC 61010 (safety)
	CE - IEC 61326-1 (EMC)
	CULus - ANSI C12.20 (sub-meter)
	MID - EN 62052 (sub-meter)
	RCM - NMI M 6-1 (sub-meter)
	MID - EN 50470-3 (sub-meter)
	CE - EN 61557-12 (power monitor)
	CULus - UL 61010 (safety)

Environment

IP degree of protection	IP40 (front panel) conforming to IEC 60529 IP20 (body) conforming to IEC 60529
pollution degree	2
relative humidity	595 % at 50 °C
ambient air temperature for operation	-2560 °C (NMI) -2560 °C (IEC) -2555 °C (MID)
ambient air temperature for storage	-4085 °C
operating altitude	< 2000 m
colour	White
9 mm pitches	10
width	90 mm
height	95 mm
depth	69 mm

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1308 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

