Product datasheet





CONZERV EM6436H VAF PF P&E NO COM CL 1.0

METSEEM6436HCL10NC

Main

Range	EasyLogic
Product Name	EasyLogic EM64XXH NC
Device Short Name	EM6436H
Product Or Component Type	Multi-function meter

Device Application	Power monitoring Energy monitoring
Type Of Measurement	Current Voltage Frequency Power factor RPM Active power Active energy
Metering Type	Unbalance current Calculated neutral current Power factor and displacement PF (signed, four quadrant) Average current lavg Active power P, P1, P2, P3 Apparent power S, S1, S2, S3 Voltage U21, U32, U13, V1, V2, V3 Phase currents Average voltage Vavg Unbalance voltage Reactive power Q, Q1, Q2, Q3 Rotation speed Active, reactive, apparent energy (signed, two quadrant) Percentage of load Frequency
Counter Functions	Power interruption ON hour counting
[Us] Rated Supply Voltage	44300 V AC 4565 Hz 44300 V DC
Network Frequency	60 Hz 50 Hz
[In] Rated Current	5 A 1 A
Type Of Network	2P 3P 1P + N 3P + N 2P + N
Maximum Power Consumption In Va	4 VA at 240 V between phase and neutral

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Maximum Power Consumption In W

Display Type	8 segments LED	
Display Colour	Red	
Messages Display Capacity	3 fields of 4 characters	
Display Digits	12 digit(s) - 14.2 mm in height	
Communication Of Data	All counters	
	Percentage of load	
	Reading of measurements	
	Revolution speed Last cleared log	
Tamperproof Of Settings	Protected by access code	
Sampling Rate	32 samples/cycle	
Measurement Current	56000 mA	
Signal	Voltage (impedance 5 MOhm)4 x	
	Current 0.00510 A (impedance 0.3 MOhm)6 x	
Measurement Voltage	35480 V AC 5060 Hz between phases	
	46277 V AC 5060 Hz between phase and neutral	
	277999000 V AC 5060 Hz with external VT	
Frequency Measurement Range	4565 Hz	
Measurement Accuracy	Current +/- 0.5 %	
	Voltage +/- 0.5 %	
	Frequency +/- 0.05 %	
	Power factor +/- 0.01	
	Reactive power +/- 2 %	
	Active power +/- 1 %	
	Apparent power +/- 1 % Active energy +/- 1 %	
	Reactive energy +/- 2 %	
	Apparent energy +/- 1 %	
Accuracy Class	Class 1 active energy conforming to IEC 62053-21	
	Class 2 reactive energy conforming to IEC 62053-24	
Demand Intervals	1s	
Local Signalling	Green LED: activity	
	Red LED: output signal 19999000 pulse/ k_h (kWh, kVAh, kVARh)	
Data Recording	Energy consumption logs	
Material	Polycarbonate	
Flame Retardance	V-0 conforming to UL 94	
Mounting Mode	Flush-mounted	
Mounting Support	Framework	
Fixing Mode	By clamp	
Provided Equipment	Installation guide	
Installation Category	III	
Type Of Installation	Indoor installation	
Measurement Category	Category III 35480 V	
Electrical Insulation Class	Class II	
Connections - Terminals	Current circuit: screw clamp terminals (bottom) 2.083.31 mm² cable(s)	
	Voltage circuit: screw clamp terminals (top) 0.823.31 mm² cable(s)	
	Control circuit: screw clamp terminals (top) 0.823.31 mm² cable(s)	
Tightening Torque	Current circuit: 0.91 N.m Philips No 2 screwdriver	
g.ncoming rorque	Voltage circuit: 0.91 N.m Philips No 2 screwdriver	
	Control circuit: 0.91 N.m Philips No 2 screwdriver	
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Wire Stripping Length	Current circuit: 3.68 mm Voltage circuit: 7 mm Control circuit: 7 mm
Standards	IEC 61010-1:ed. 3 UL 61010-1:ed. 3
Product Certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 CULus conforming to CSA C22.2 No 61010-1 C-Tick
Width	96 mm
Depth	13 mm outside: 49 mm panel:
Height	96 mm
Net Weight	300 g

Environment

Electromagnetic Compatibility	Electrostatic discharge conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 Surge immunity test conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Magnetic field at power frequency conforming to IEC 61000-4-8 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 Emission tests conforming to FCC part 15 class A Emission tests conforming to FCC part 15 Subpart C Emission tests conforming to FCC part 15 Subpart E	
Overvoltage Category	III	
Ip Degree Of Protection	IP51 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529	
Relative Humidity	595 % at 50 °C	
Pollution Degree	2	
Ambient Air Temperature For Operation	-1060 °C	
Ambient Air Temperature For Storage	-2070 °C	
Operating Altitude	<= 2000 m	
Service Life	7 year(s)	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.88 cm
Package 1 Width	9.6 cm
Package 1 Length	9.6 cm
Package 1 Weight	0.25 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	18
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.5 kg

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

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