



### Main

Range	PowerLogic
Product name	PowerLogic EM4300
Device short name	EM4305
Product or component type	Energy meter
Device application	Power monitoring
Communication port protocol	Zigbee : 2400 MHz,

### Complementary

Type of measurement	Active and reactive power Active and reactive energy Apparent energy Voltage Current Frequency Apparent power
Metering type	Active, reactive, apparent energy (signed, two quadrant)
[Us] rated supply voltage	100...277 V AC $\pm 10\%$
[In] rated current	500 A
Network frequency	50 Hz 60 Hz
Poles description	3P
Measurement accuracy	1 % active energy
Accuracy class	Class 1 Active energy
Input type	Rogowski coil 10...600 A - at $\leq 65$ °C, cable length = 1.5 m
Mounting support	DIN rail Panel mounting
Communication network type	Wireless Zigbee 10 mW 2.4 GHz 10 m
Local signalling	Green/Red LED : status
Number of inputs	0
Number of outputs	0
Display type	Without display
Ambient air temperature for operation	-10...55 °C
Connections - terminals	Bottom screw terminals 0.2...2.5 mm <sup>2</sup>
Tightening torque	0.5 N.m

Wire stripping length	7 mm
Power consumption in W	2 W
Product compatibility	Powerlogic ComX data logger MPM SmartStruxure Lite
Mounting mode	By screws Clip-on
Measurement category	Category III
Type of installation	Indoor
Isolation voltage	300 V III class II conforming to IEC 61010-1
Supply current	<= 0.4 A
Protection type	Switch-disconnector fuse 10 A measuring input
Colour	Dark grey
Height	109.93 mm
Width	53.9 mm
Depth	35.8 mm

## Environment

IP degree of protection	IP20
Pollution degree	2
Relative humidity	90 % at 37 °C
Operating altitude	0...2000 m
Radio agreement	FCC R&TTE IC
Standards	UL 61010-1 ed. 3 EN 62311 2008 ETSI EN 301 489-1 v1.9.2 ETSI EN 301 489-17 v2.2.1, 2012 ETSI EN 300 328 V1.8.1 EN 61010-1 ed. 3 EN 61326-1 2013 ETSI EN 300 440-1 v1.6.1 ETSI EN 300 440-2 V1.4.1 FCC CFR 47 part 15 RSS 210 issue 8
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive 1999/5/EC - R&TTE directive
Product certifications	FCC IC CE