

## Datasheet Eelectron KNX Energy meter three phase



### KNX Energy meter three phase Compact

Active energy meter for three phase alternating with a backlight LCD display for displaying the values, an input for switching rates between 2 rates and direct connection to 63 A. The values of instantaneous power, KW / KVA h and scored for rate 1 and 2, are sent via the supplied KNX bus interface.

Technical data:	
<b>Functionality</b>	Electricity network connection 4-wires Rates for active and reactive energy No. 2 T1 or T2
<b>Supply</b>	Power supply 230 VAC Operation range voltage 184 VAC .... 276VAC Nominal frequency 50 Hz Power consumption Max. 8 VA – 0.6 W
<b>Overload</b>	Permanent voltage Un phase/phase 480 V 1 second: phase/phase 800 V permanent phase/N 276 V 1 second: phase/N 300 V Permanent Current I <sub>max</sub> 63 A / Momentary (0,5 s) 120 A / Momentary (10 ms) 2400 A
<b>Measuring accuracy</b>	At 23 ± 1°C refer to the nominal values Energy and power according to EN 50470-3 active ± 1% class 1 (B) Energy and reactive power in accordance with EN 62053-23 ± 2% class 2
<b>Measuring inputs</b>	Listing phase / N – direct Current range (I <sub>st</sub> ... I <sub>max</sub> ) direct connection: 0.015 ..... 80 A Frequency 50 Hz Input waveform – sinusoidal Minimum current for the measurement of energy (I <sub>st</sub> ) 15 mA
<b>Pulse output S0</b>	According to EN 62053-31 Puls output for active energy and reactive Quantity Pulse 500 imp / kWh 30 ± 2 ms pulse duration Power required min. (max.) VAC (DC) 5 ... 230 ± 5% (5 ... 300 ± 5%) Permissible current pulse ON (max. 230 V AC/DC) 90 mA Permissible current impuls OFF (leakage current max. 230 V AC/DC) 1 µA
<b>Optical interface</b>	Front calibration (precision control) LED imp / kWh 1000

Environmental conditions	
Temperature of transportation and storage	-25°C - +70°C
Operating temperature	-10°C - +55°C
Relative humidity	80% (not condensation)
	Vibrations 50 Hz sinusoidal vibration amplitude mm ± 0.075
<b>The appliance is intended for use in closed and dry rooms.</b>	
Dimensions	
Case	5 modules DIN 43880
Fixing	35mm DIN rail EN 60715
Depth	70mm
Reference standards for active energy – EN 50470-1-3 / Reactive power – output pulse EN 62053-23-31	

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\*Warranty ex works, normally 24 months, fixed at order. Information is current as of the date of publication. Subject to errors and modifications. NOTE: Internal connections refer to connections inside the unit, generally mounted across a pin-header. External connections refer to those outside the box. Once mounted, only connections described as „front accessible“ can be accessed by the customer.