

Technical data

KeContact E10

Smart energy meter



KeContact E10

Product

Product designation	Material no.	EAN code
KeContact E10-1P-63A	126807	9120050715912
KeContact E10-3P-63A	126804	9120050715929
KeContact E10-3P-200A	131892	9120050718937

General

Protection class:	II
Type of protection:	IP2X
Degree of soiling:	2
Casing material:	Polyamide, glass fiber reinforced
Flammability class:	V0 (according to UL94)

Power supply

Supply voltage:	230 V AC
Frequency range:	50 / 60 Hz
Internal consumption:	2 W
Overvoltage category:	III in accordance with EN 60664
Cable cross-section:	0.2 - 2.5 mm ²

Ambient conditions

Use:	Indoor
Access limitations at set-up location:	Limited access (control cabinet)
Installation (stationary):	On a top hat rail
Operating temperature:	-25 °C to +55 °C
Storage temperature:	-25 °C to +70 °C
Relative humidity:	Up to 75% non-condensing
Altitude:	max. 2000 m above sea level

Interfaces

Ethernet interface

Number:	1
Ethernet:	RJ45 (shielded)
Data transfer rate:	10/100 Mbps
Protocol:	Modbus TCP

Dimensions, weight

Height / width / depth:	88 mm / 35 mm / 65 mm
Weight:	< 0.2 kg

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Split-core current transformer

General

Flammability class:	UL94-V0
Cable length:	1 m (63 A variant) 2 m (200 A variant)
Cable cross-section:	0,2 mm ²

Nominal data

Rated voltage:	0,66 kV
Rated frequency:	50/60 Hz
Rated current:	63 A / 200 A
Limit current I _N / phase:	Max. 200 mA
Measurement category:	CAT III

Ambient conditions

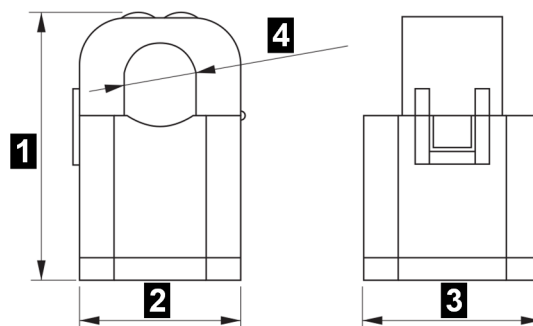
Use:	Indoor
Access limitations at set-up location:	Limited access (control cabinet)
Operating temperature:	-25 °C to +55 °C
Storage temperature:	-25 °C to +70 °C
Relative humidity:	Up to 75% non-condensing
Altitude:	Max. 2000 m above sea level

Dimensions, weight (63 A variant)

Height (1) / width (2) / depth (3):	40 mm / 23 mm / 26 mm
Opening (4):	10 mm
Weight:	65 g

Dimensions, weight (200 A variant)

Height (1) / width (2) / depth (3):	65,4 mm / 46 mm / 35 mm
Opening (4):	24 mm
Weight:	250 g



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Measuring accuracy

Phase current:	1,5 %
Voltage:	0,5 %
Total active power:	2,0 %
Total reactive power:	2,0 %
Total active energy:	2,0 %
Power factor:	2,0 %
Frequency:	0,1 %

The standard measurement accuracy refers to the full scale value, applies to a power factor of 0.8 - 1 and uses a standard measurement interval of 200 ms.

Downloads

