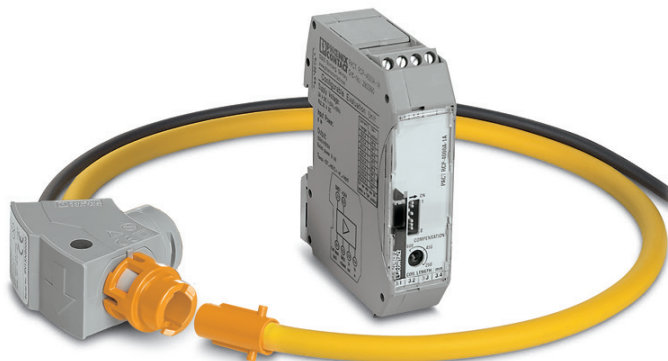


KBU FLEX SET - Flexible transformers

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data sheet**The set consists of two components:**

- a 1 A measuring transducer and
- of a Rogowski coil.

This is available in three different sizes.
The Rogowski coil is used for AC current
measurement of busbars and power lines.



Type	KBU FLEX SET 300	KBU FLEX SET 450	KBU FLEX SET 600
Item number	03.38.2130	03.38.2140	03.38.2160
Rogowski coil length [mm]	300	450	600
Coil diameter in installed condition [mm]	95	140	190

Further technical data		
Transducer power supply	Nominal supply voltage	19.2 ... 30 V DC
	Nominal supply voltage range	19.2 ... 30 V DC
	Maximum current consumption	190 mA
	Power input	4 W
Measuring coil input data	Frequency measurement range	40 ... 20000 Hz
	Position error	< 1 %
	Linearity error	0.1 %
Transducer input data	Measurement ranges (current)	100 A, 250 A, 400 A, 630 A, 1000 A, 1500 A, 2000 A, 4000 A
	Configurable/programmable	via DIP switches
	Phase angle	< 1 °
	Rated power	1.5 VA
Transducer signal input	Input signal (at 50 Hz)	100 mV (1000 A)
	Input impedance	27 kΩ (smallest measuring range)
Measuring coil signal output	Output signal (at 50 Hz)	100 mV (without load, at 1000 A)
	Output voltage (in no-load operation)	$V_{OUT} = M \cdot dl/dt$
	Output voltage (sinusoidal, no-load)	100 mV ($V_{OUT} = 2 \cdot \pi \cdot M \cdot f \cdot I$ (M = 0.318 μH; Example: at 50 Hz; I = 1000 A)
	Length of the signal line	3000 mm
Transducer signal output	Current output signal	0 ... 1 A (AC)
	Load	0 ... 1.5 Ω
	Operating voltage display	LED green
General data	Standards/Regulations	IEC 61010-1, IEC 61010-2-032