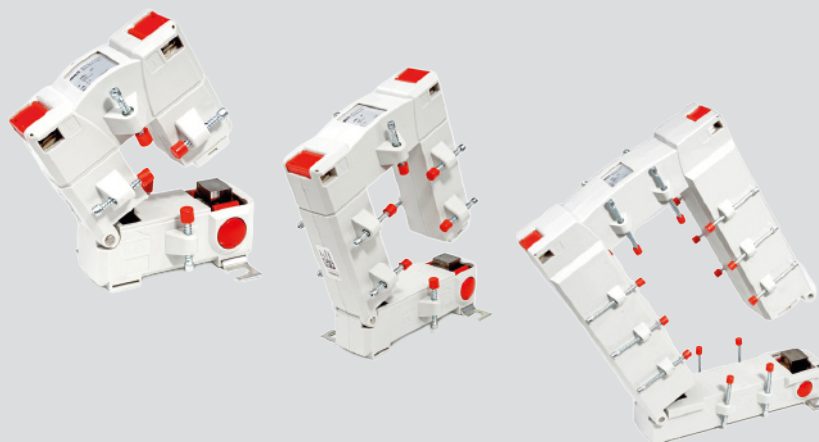




RESIDUAL CURRENT TRANSFORMER

Type A - KBU Series Residual current transformer

Data Sheet

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TECHNICAL DATA & DIMENSIONS



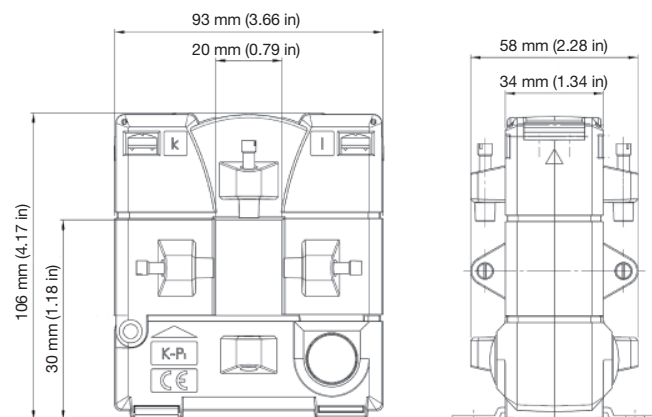
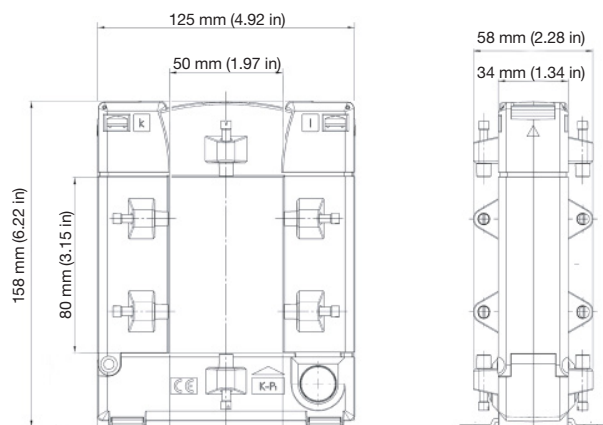
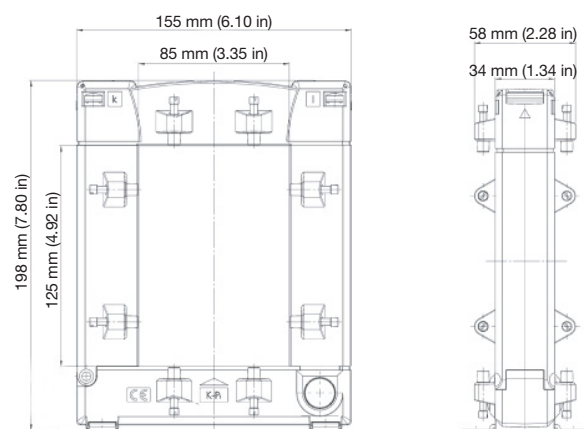
Main features

- For residual current detection in grounded AC networks; suitable for single-phase and multi-phase applications
- Easy installation thanks to a hinged housing
- Flexible application due to a wide frequency range
- Tamper-proof design with sealable terminal covers
- Simple secondary connection via screw terminals

Example::

Residual current transformer Typ A KBU 23D

Model	KBU 23D	KBU 58D	KBU 812D
Weight	ca. 700 g (1.54 lb)	ca. 1100 g (2.43 lb)	ca. 1400 g (3.09 lb)
Round conductor	20 mm (0.79 in)	35 mm (1.38 in)	60 mm (2.36 in)
Busbar	20 x 30 mm (0.79 x 1.18 in)	50 x 80 mm (1.97 x 3.15 in)	80 x 120 mm (3.15 x 4.72 in)
Overall width	82 mm (3.22 in)	104,5 mm (4.11 in)	135 mm (5.32 in)
Max. primary residual current	18 A		
Measurement range	0,02 ... 18 A		
Ratio	600/1		
Rated burden	100 - 180 Ω		
Accuracy class	1		
Working frequency range	30 Hz - 1 kHz		
Rated voltage	0,72 kV		
Working temperature	-5 °C bis +45 °C (23 °F bis 113 °F)		
Storage temperature	-25 °C .. +70 °C (-13 °F .. +158 °F)		
Protection level Housing	IP40		
Protection level Terminals	IP20		
Standards	IEC 61869-1; IEC 61869-2		
Insulation class	E		
Housing material	Polycarbonate, RAL 7035, gray		
Flammability	UL94 V-0, self-extinguishing, halogen-free		
Maximum voltage for electrical equipment	Um ≤ 0,72 kV		
Insulation test voltage	3 kV U _{eff} ; 50 Hz; 1 min		
Rated frequency	50 Hz		
Secondary connections	Brass profile, nickel-plated, max. 4.0 mm ²		
Maximum temperature of the primary conductor	90 °C		
Item numbers	1503400	1503401	1503402

KBU 23D**KBU 58D****KBU 812D**

The figures are for illustration purposes and are not to scale

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