

KBU - Cable conversion transformer

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data sheet



With its separable measuring core, the KBU series cable transformer enables retrofitting of existing systems. The KBU covers rated currents secondary in 5 A and 1 A and rated currents primary from 100 A to 5000 A. The accuracy classes are 0.5, 1 and 3.

After connecting the secondary lines, the measuring set-up is immediately ready for operation. For installation, the locking mechanism of the transformer is opened, the transformer is placed around the primary conductor and audibly engaged again.

The transformer is completely insulated and can therefore also be operated on non-insulated CU rails.

- Cable transformers are mainly used for retrofitting in order to avoid cutting the primary conductors.
- Due to its all-round insulation, the KBU cable converter is particularly suitable for use on CU rails.
- Simple and secure attachment - transformer audibly latches into place
- Working temperature range: -5 ... 40 °C
- Storage temperature range: -25 ... 70 °C



Type	Power range	Rail	Round conductor	Dimensions (W x H x D)
KBU 23	100 ... 400 A	20 x 30 mm	20 mm	93 x 106 x 58 mm
KBU 58	250 ... 1000 A	50 x 80 mm	50 mm	125 x 158 x 58 mm
KBU 812	250 ... 1500 A	80 x 120 mm	80 mm	155 x 198 x 58 mm
KBU 816	1000 ... 5000 A	80 x 160 mm	80 mm	195 x 243 x 79 mm

PQ Plus also offers the complete KBU transformer series as XKBU for measurements up to 20 kHz, which on the one hand ensures highly accurate transmission up to 20 kHz and on the other hand is thermally designed for use in networks subject to harmonics. The output signals are 1 or 5 A, as usual for inductive transformers according to IEC 61869-2. The power specifications also correspond to the usual values. The transformer can therefore also be used in conventional 50 Hz applications. The frequency transmission behaviour is defined via an additional rating plate.

Further information on the XKBU is available on request, in our brochure “Transformers” and on our homepage.

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KBU 23

Primary current [A]	Secondary current [A]	Load [VA]	Class	Item number
100	1	1.25	3	03.23.0248
150	1	1.5	1	03.23.0230
250	5	1.5	1	03.23.0044
400	5	5	1	03.23.0046

KBU 58

Primary current [A]	Secondary current [A]	Load [VA]	Class	Item number
250	1	1.5	1	03.58.0261
400	1	2.5	1	03.58.0263
500	5	2.5	0.5	03.58.0054
750	5	2.5	0.5	03.58.0056

KBU 812

Primary current [A]	Secondary current [A]	Load [VA]	Class	Item number
750	1	5	1	03.81.0296
1000	1	5	0.5	03.81.0278
1250	5	15	1	03.81.0100
1500	5	7.5	0.5	03.81.0081

KBU 816

Primary current [A]	Secondary current [A]	Load [VA]	Class	Item number
1000	5	15	1	03.81.6141
1500	5	10	0.5	03.81.6112
2000	5	15	1	03.81.6149
4000	5	15	0.5	03.81.6123