

Split core current transformer (KBU)



Features / Benefits

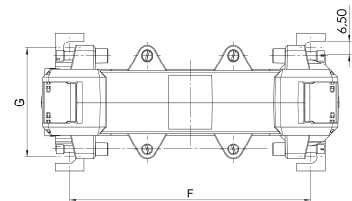
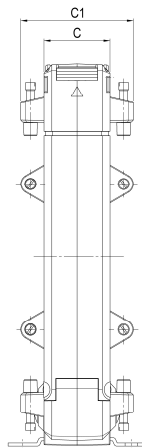
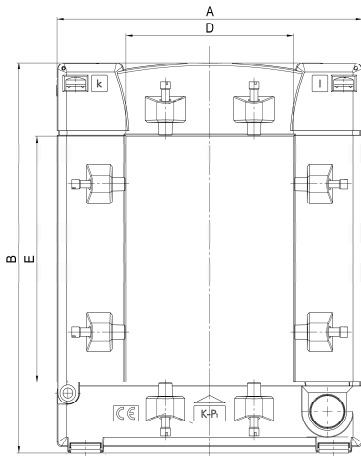
- Ideal for subsequent installation into existing systems
- Simple and secure installation – transformer clicks into place
- Available with secondary current of 5 A / 1 A
- Available even in accuracy class 0.5
- Four different designs

Technical details

- Working temperature range: $-5^{\circ}\text{C} < T < +40^{\circ}\text{C}$
- Storage temperature range: $-25^{\circ}\text{C} < T < +70^{\circ}\text{C}$
- Therm. nominal continuous current I_{cth} : $1.0 \times I_N$
- Therm. nominal short-time current I_{th} : $60 \times I_N$, 1 sec.
- Operating voltage U_m : 0.72 kV max.
- Insulation test voltage: 3 kV, U_{eff} , 50 Hz, 1 min.
- Nominal rated frequency: 50 Hz
- Insulation class: E
- Technical standards used: IEC 61869-1/2

Dimensions

Type	A (width) [mm]	B (height) [mm]	C / C1 (depth) [mm]	D [mm]	E [mm]	F [mm]	G [mm]
KBU 23	93	106	34 / 58	23	33	64	56
KBU 58	125	158	34 / 58	55	85	96	56
KBU 812	155	198	34 / 58	85	125	126	56
KBU 816	195	243	64 / 79	85	165	156	62



Availability table KBU 23

secondary current		5 A			1 A		
primary current [A]	burden [VA]	accuracy class			accuracy class		
		3	1	0.5	3	1	0.5
		availability			availability		
100	1.25	X			X		
150	1.5	X			X		
200	2.5	X			X		
250	1.5		X			X	
300	3.75		X			X	
400	1			X			X
	5		X			X	

Availability table KBU 58

secondary current		5 A		1 A	
primary current [A]	burden [VA]	accuracy class		accuracy class	
		1	0.5	1	0.5
		availability		availability	
250	1.5	X		X	
300	2.5	X		X	
400	1		X		X
	2.5	X		X	
500	2.5		X		X
	5	X		X	
600	2.5		X		X
	5	X		X	
750	2.5		X		X
	5	X		X	
800	2.5		X		X
	7.5	X		X	
1000	5		X		X
	10	X		X	

Availability table KBU 812

secondary current		5A		1A	
primary current [A]	burden [VA]	accuracy class		accuracy class	
		1	0.5	1	0.5
		availability		availability	
250	1.5	X		X	
300	2.5	X		X	
400	2.5	X		X	
500	2.5		X		X
	5	X		X	
600	2.5		X		X
	5	X		X	
750	2.5		X		X
	2	X		X	
800	2.5		X		X
	7.5	X		X	
1000	5		X		X
	10	X		X	
1200	5		X		X
	10	X		X	
1250	7.5		X		X
	15	X		X	
1500	7.5		X		X
	15	X		X	

Availability table KBU 816

secondary current		5A		1A	
primary current [A]	burden [VA]	accuracy class		accuracy class	
		1	0.5	1	0.5
		availability		availability	
1000	10	X	X	X	X
	15	X		X	
1200	10	X	X	X	X
	15	X		X	
1500	10	X	X	X	X
	15	X	X	X	X
1600	10	X	X	X	X
	15	X	X	X	X
2000	10	X	X	X	X
	15	X	X	X	X
2500	10	X	X	X	X
	15	X	X	X	X
3000	15	X	X	X	X
	30	X		X	
4000	15	X	X	X	X
	30	X	X	X	X
5000	15	X	X	X	X
	30	X	X	X	X