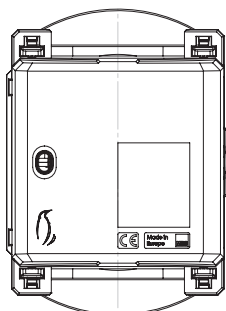
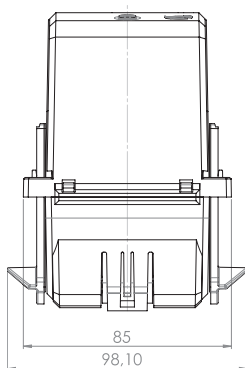
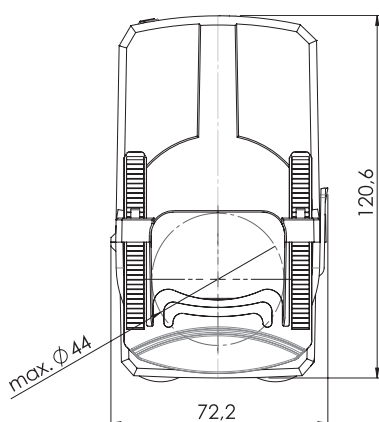


KBR 44

Split-core current transformer



Round conductor	44 mm
Transformer width	72,2 mm
Height	120,6 mm
Depth	98 mm



Primary current [A]	Burden [VA]	Secondary current [A] / Class	
		5 A Cl. 1 Art.-no.	1 A Cl. 1 Art.-no.
250	1,5	44-5001	
	2,5		44-0001
300	2,5	44-5006	44-0006
400	5	44-5011	44-0011
500	5	44-5016	44-0016
600	5	44-5021	44-0021
750	5	44-5026	44-0026
800	5	44-5031	44-0031
1000	5	44-5036	44-0036

Primary current [A]	Output signal		Cl. 1 Art.-no.
	[mV] AV	[mA] DC	
250	0...333	–	44-1001
	–	4...20	44-2001
300	0...333	–	44-1006
	–	4...20	44-2006
400	0...333	–	44-1011
	–	4...20	44-2011
500	0...333	–	44-1016
	–	4...20	44-2016
600	0...333	–	44-1021
	–	4...20	44-2021
750	0...333	–	44-1026
	–	4...20	44-2026
800	0...333	–	44-1031
	–	4...20	44-2031
1000	0...333	–	44-1036
	–	4...20	44-2036

- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 44 has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The KBR 44 with secondary 1A will be delivered with 2.5 m connection cable 2 x 0.75 mm² (color coded; S1 = brown; S2 = blue). Other lengths of the connection cables are possible on request.
- The secondary 5A – version will be delivered with 0.5m connection cable 2 x 1.5 mm².
- For the use as a current sensor the KBR 32 is optionally deliverable with a voltage output of 0 – 333 mV (min. burden resistance ≥ 1 kΩ).
- Moreover the KBR 32 is deliverable as a measuring transducer with a measuring output of 4...20 mA DC.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

KBR 32 / 44

Technical characteristics for the KBR 32 / 44 with output signal 4...20 mA:

- 2-wire connection, auxiliary power via output circuit
- Auxiliary power: 24 V DC $\pm 15\%$, $P_v = \text{max. } 1 \text{ VA}$
- Load-independent DC current: Live-zero, 4...20 mA
- External resistance: max. 300 Ω
- Current limit under overload: < 30 mA
- Residual ripple of the output current: $\leq 1\%$ p.p.
- Response time: < 300 ms

Wiring diagram of the KBR 32 / 44 (4...20 mA):

