

SEPARABLE OPERATING CURRENT TRANSFORMERS UP TO 600 A, CLASS 1

Thanks to their high number of secondary windings, the separable operating current transformers capture currents of up to 600 A. The snap-in split-core technology facilitates installation on existing equipment, even during operation. They are only compatible with the UMG 20CM.



SEPARABLE OPERATING CURRENT TRANSFORMERS UP TO 600 A – TECHNICAL DATA

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DESIGNATION	SC-CT-20-100	SC-CT-20-200	SC-CT-20-300	SC-CT-20-400	SC-CT-20-500	SC-CT-20-600
Current ratio	120 A / 40 mA	200 A / 66.6 mA	300 A / 100 mA	400 A / 100 mA	500 A / 100 mA	600 A / 100 mA
Current range (50/60 Hz)	0.01 ... 100 A (RL = 10 Ω)	0.01 ... 200 A (RL = 10 Ω)	0.1 ... 300 A (RL = 10 Ω)	0.01 ... 400 A (RL = 5 Ω)	0.01 ... 500 A (RL = 5 Ω)	0.01 ... 600 A (RL = 5 Ω)
Installation location	Indoor use (any mounting orientation)					
Operating temperature	-20 ... +50 °C			-20 ... +55 °C		
Storage temperature	-30 ... +90 °C, rel. humidity < 85% (no condensation)					

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TYPE	OPERATING MODES	MAX. OPERATING CURRENT in A	RATIO	MAX Ø OF PRIMARY CONDUCTOR in mm	CLASS	DIMENSIONS in mm					WEIGHT in kg	PART NO.
						A	B	C	D	E		
SC-CT-20-100	Operating current measurement* ¹	100	3000/1	16	1	55.0	41.0	29.5	31.0	19.0	approx. 0.075	1503093
SC-CT-20-200	Operating current measurement* ¹	200	3000/1	24	1	74.5	52.0	45.0	34.0	22.0	approx. 0.2	1503094
SC-CT-20-300	Operating current measurement* ¹	300	3000/1	24	1	74.5	52.0	45.0	34.0	22.0	approx. 0.2	1503095
SC-CT-20-400	Operating current measurement* ¹	400	4000/1	36	0.5	91.4	57.0	57.1	40.2	21.1	approx. 0.3	1503097
SC-CT-20-500	Operating current measurement* ¹	500	5000/1	36	0.5	91.4	57.0	57.1	40.2	21.1	approx. 0.3	1503099
SC-CT-20-600	Operating current measurement* ¹	600	6000/1	36	0.5	91.4	57.0	57.1	40.2	21.1	approx. 0.3	1503101

SINGLE ACCESSORIES (LOADS ARE INCLUDED IN THE SCOPE OF DELIVERY WITH THE TRANSFORMERS)

Load (2.2 Ω) for SC-CT-20-100 operating current transformers with 1.5 m connecting cable and spring terminal	1503087
Load (1.1 Ω) for SC-CT-20-200 operating current transformers with 1.5 m connecting cable and spring terminal	1503088
Load (0.8 Ω) for SC-CT-20-300/400/500/600 operating current transformers with 1.5 m connecting cable and spring terminal	1503085

*1 Incl. prefabricated connecting cable; 1.5 m with load and spring terminal for operating current measurement

SEPARABLE OPERATING CURRENT TRANSFORMERS UP TO 600 A – DIMENSIONAL DRAWINGS

