

CK20 SERIES CURRENT TRANSFORMER

CK20 SERIES

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FEATURES

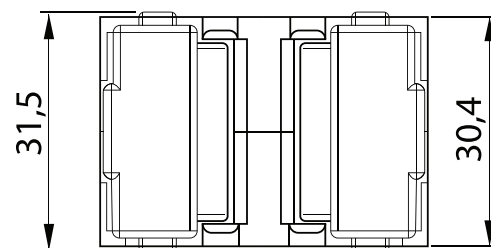
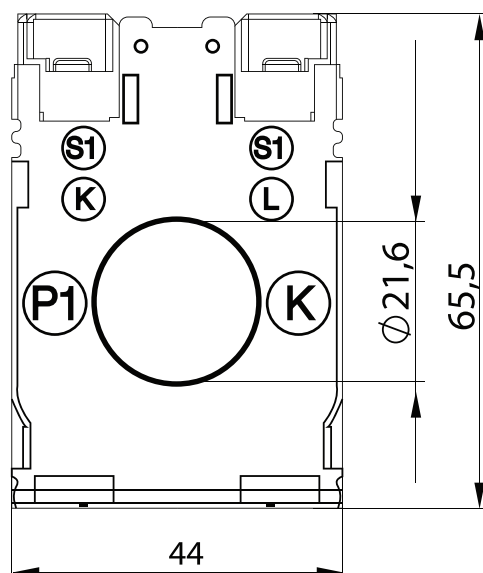
CK-20 Series current transformer is Window-type current transformer designed for cable conductors, suitable for primary currents from 30A to 300A AC; available in accuracy classes 0.5, 1.0, 3.0 or Class 5.0.

TECHNICAL DATA

PARAMETER	VALUE
Standarts	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN57414, BS3938, BS7626, EN 61869-2
CT Ratio	From 30A to 300A
Rated Power	Up to 5VA
Accuracy class	Class 1.0 or Class 0.5
Terminal	Integral terminal cover, high cross section brass terminal for extra safety
Case	Non-flammable self-extinguishing ABS/PC
Mounting	Various mounting options
Ambient temperature (operation)	-25 C ~ +85 C
Primary conductor	20 mm
Round conductor	Ø 20 mm
Number of input	1
Thermal rated short-time current	$I_{th} = 60 * I_n$
Thermal rated continuous current	$I_d = 1.2 * I_n$
Rated frequency	50 Hz ... 60 Hz
Surge current limitation factor	FS 5
Test voltage	3 kV for 1 min
Max system voltage	0.72 kV



DIMENSION



PRODUCT CODES

CLASS		3	1	0.5
SERIES	CURRENT RATIO			
CK20	40/5	1	-	-
	50/5	1	-	-
	60/5	1	1	-
	75/5	1,5	1.5	-
	80/5	-	1.5	-
	100/5	-	1.5	1,5
	125/5	-	2.5	1,5
	150/5	-	2.5	1,5
	160/5	-	2.5	1,5
	200/5	-	2.5	-
	250/5	-	2.5	-
	300/5	-	2.5	-

CURRENT TRANSFORMER CODING MAP

XX-XXX-XXXX-X-X-XX

SERIES CODE	HOLE SIZE (mm)	PRIMARY (A)	SECONDARY (A)	CLASS		BURDEN (VA)	
				CODE	CLASS	CODE	VA
CK	20	40	1	1	1	01	1
TK	30S	.	5	2	0.5	02	1.5
DK	30	.		3	0.5S	03	2.5
	40	.		4	0.1	04	3.75
	60	.		5	0.1S	05	5
	80	5000		6	0.2	06	7.5
	100			7	0.2S	07	10
	125			8	5	08	12.5
				9	3	09	15
					10	20	
					11	25	
					12	30	
					13	40	
					14	50	
					15	60	

**Order Example: CK20 60/5A, CL.1.0, 1VA
Code: CK20605101**

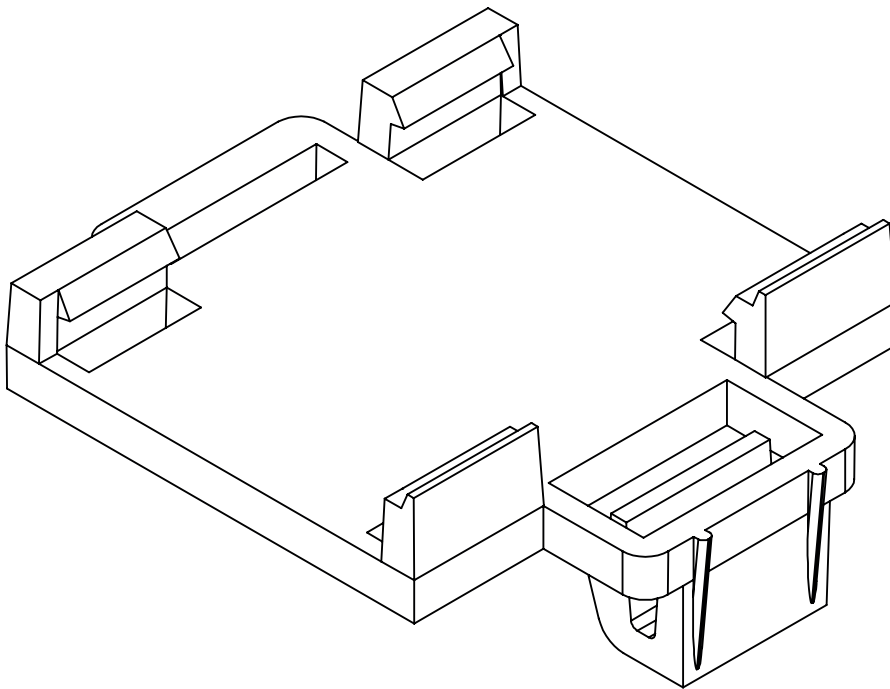
NOTE:

- Different specifications can be supplied on request.
- Different amper ratio, burden and 1A secondary current can be supplied on request
- DIN rail mountaing clip can be supplied on request

INSTALLATION OPTIONS:

- DIN rail mountaing clip

DIN rail mountaing clip



KK0003

Loss in copper wires between instrument and CT for 5A secondary

LOSS IN VA (FOR BOTH WIRES)						
Wire section in mm ²	CURRENT RATIO			BURDEN (VA)		
1.5	0.6	1.19	2.38	3.57	4.76	5.95
2.5	0.36	0.71	1.43	2.14	2.86	3.57
4	0.22	0.45	0.89	1.34	1.79	2.23
6	0.15	0.3	0.60	1.89	1.19	1.49
10	0.09	0.18	0.36	0.54	0.71	0.89