

BK SERIES CURRENT TRANSFORMER

BK SERIES

VTEKE®

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FEATURES

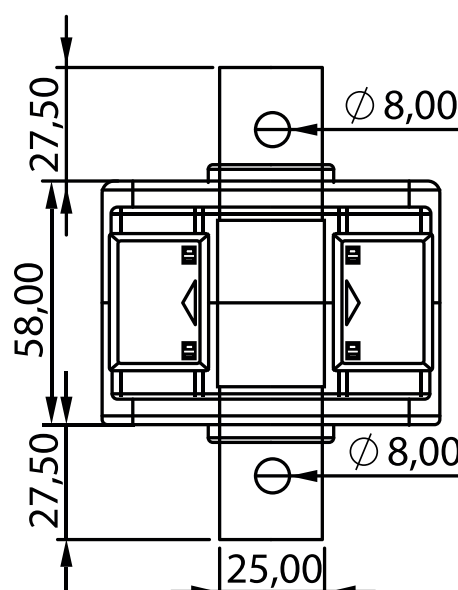
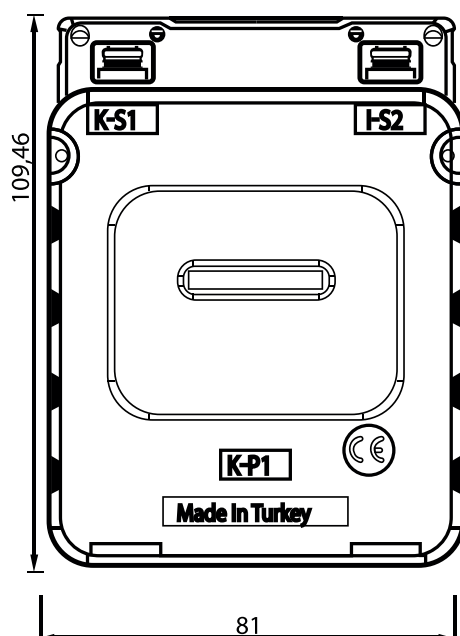
BK series Current Transformer is built-in bar type current transformer with sealable terminal cover, suitable for primary currents from 5A to 200A AC; available in accuracy classes Class 0.5S, 0.5 or Class 1.0.

TECHNICAL DATA

PARAMETER	VALUE
Standarts	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN57414, BS3938, BS7626, EN 61869-2
CT Ratio	From 5A to 200A
Rated Power	Up to 15VA
Accuracy class	Class 0.5S, Class 0.5, Class 1.0
Terminal	Integral terminal cover, high cross section brass terminal for extra safety
Case	Non-flammable self-extinguishing ABS/PC
Mounting	Plate Mounted, KK0001
Primary conductor	25 x 3 built-in busbar
Ambient temperature (operation)	-25 C ~ +85 C
Number of input	1
Thermal rated short-time current	$I_{th} = 60 I_n$
Thermal rated continuous current	$I_d = 1 * I_n$
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

PRIMARY CURRENT (A)	CLASS1.0		CLASS 0.5		CLASS 0.5S	
	CODE BURDEN 5VA	CODE BURDEN 10VA	CODE BURDEN 5VA	CODE BURDEN 10VA	CODE BURDEN 5VA	CODE BURDEN 10VA
5/5 A	BK55105	BK55107	BK55205	BK55207	BK55305	BK55307
10/5 A	BK105105	BK105107	BK105205	BK105207	BK105305	BK105307
15/5 A	BK155105	BK155107	BK155205	BK155207	BK155305	BK155307
20/5 A	BK205105	BK205107	BK205205	BK205207	BK205305	BK205307
25/5 A	BK255105	BK255107	BK255205	BK255207	BK255305	BK255307
30/5 A	BK305105	BK305107	BK305205	BK305207	BK305305	BK305307
40/5 A	BK405105	BK405107	BK405205	BK405207	BK405305	BK405307
50/5 A	BK505105	BK505107	BK505205	BK505207	BK505305	BK505307
60/5 A	BK605105	BK605107	BK605205	BK605207	BK605305	BK605307
75/5 A	BK755105	BK755107	BK755205	BK755207	BK755305	BK755307
80/5 A	BK805105	BK805107	BK805205	BK805207	BK805305	BK805307
100/5 A	BK1005105	BK1005107	BK1005205	BK1005207	BK1005305	BK1005307
125/5 A	BK1255105	BK1255107	BK1255205	BK1255207	BK1255305	BK1255307
150/5 A	BK1505105	BK1505107	BK1505205	BK1505207	BK1505305	BK1505307
200/5 A	BK2005105	BK2005107	BK2005205	BK2005207	BK2005305	BK2005307

CURRENT TRANSFORMER CODING MAP

XX-XXX-XXXX-X-X-XX

SERIES CODE	HOLE SIZE (mm)	PRIMARY (A)	SECONDARY (A)	CLASS CODE	CLASS	BURDEN (VA) CODE	VA
CK	20	5	1	1	1	01	1
TK	30S	.	5	2	0.5	02	1.5
DK	30	.		3	0.5S	03	2.5
BK	40	.		4	0.1	04	3.75
	60	.		5	0.1S	05	5
	80	6300		6	0.2	06	7.5
	100			7	0.2S	07	10
	120			8	5	08	12.5
	125			9	3	09	15
						10	20
						11	25
						12	30
						13	40
						14	50
						15	60

Order Example: BK 100/5A, CL.0.5, 10VA
Code: BK1005207

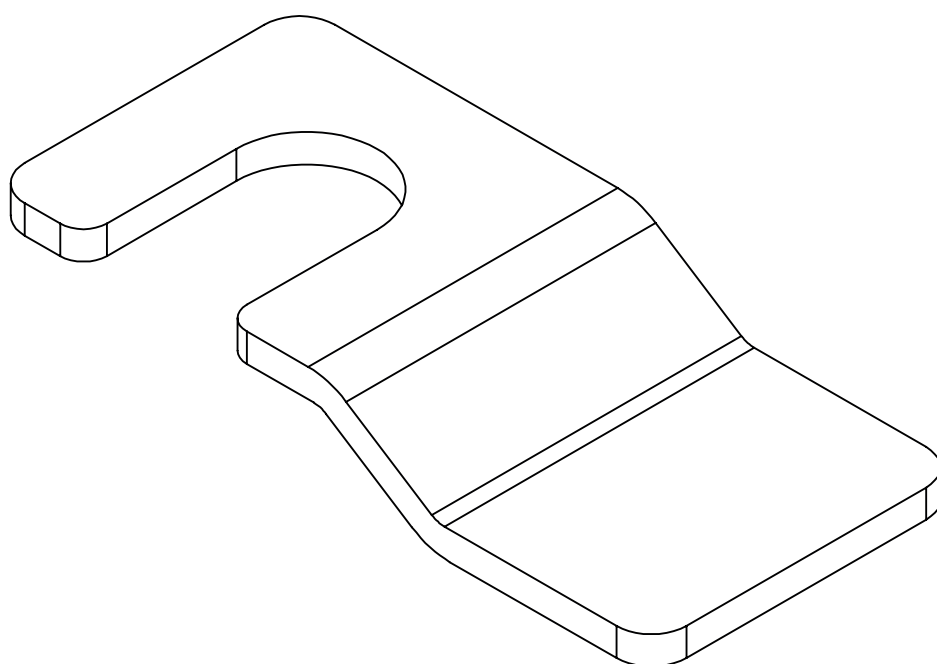
NOTE:

- 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:

- Metal feet for wall or base mounting

METAL FEET



KK0002

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

LOSS IN VA (FOR BOTH WIRES)						
Wire section in mm2	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		2.86	3.57
4	0.22	0.45	0.89		1.79	2.23
6	0.15	0.3	0.60		1.19	1.49
10	0.09	0.18	0.36		0.71	0.89