



TK 60D SERIES (CURRENT TRANSFORMER)

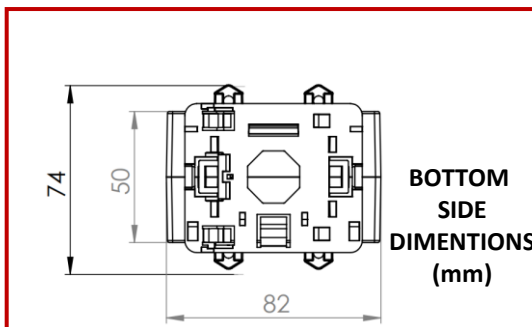
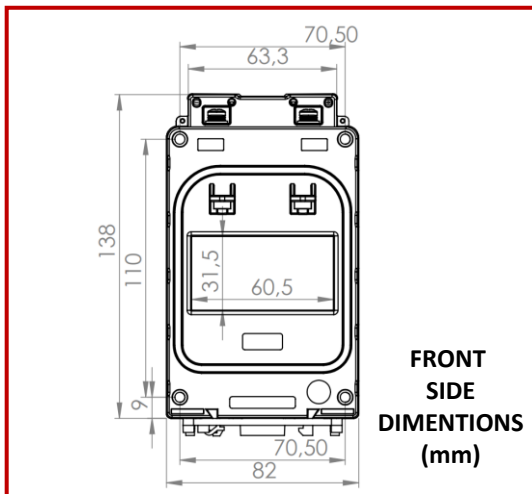
Window-type current transformer with sealable terminal cover, suitable for primary currents from 600A to 2000A AC; available in 1A or 5A AC secondary current; and accuracy classes 0.1, 0.2S, 0.2, 0.5S, 0.5 or 1 accuracy class.

FEATURES

Standards	IEC 60044-1, IEC 61869-2, VDE 0414-1, DIN57414, BS3938, BS7626, EN 61869-2
CT Ratio	From 600A to 2000A
Rated Power	Up to 15VA
Accuracy class	Class 0.1, 0.2S, 0.2, 0.5S, 0.5 or Class 1
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



DIMENSIONS



TECHNICAL DATA

Primary conductor	30 x 60 mm
Round conductor	Ø 31 mm
Number of input	1
Thermal rated short-time current	I _{th} = 60 kA
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



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CLASS		1	0.5	0.5S	0.2	0.2S	0.1
SERIES	CURRENT RATIO	BURDEN (VA)					
TK60D	500/5A	5	5	Please contact us			
	600/5A	10	10				
	750/5A	10	10				
	800/5A	15	15				
	1000/5A	15	15				
	1200/5A	15	15				
	1250/5A	15	15				
	1500/5A	15	15				
	1600/5A	30	30				
	2000/5A	30	30				

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	30 N/A	-	5	2	0.5	02	1.5
DK	30	-		3	0.5S	03	2.5
BK	40 /A	-		4	0.1	04	3.75
BK1C	60 /D	-		5	0.1S	05	5
SK	80	6300		6	0.2	06	7.5
MSK	100			7	0.2S	07	10
RK	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:

TK60D 500/5A, CL.0.5, 10 VA
Code: TK60D5005207



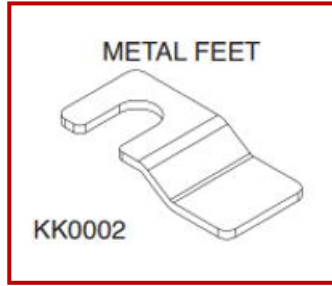
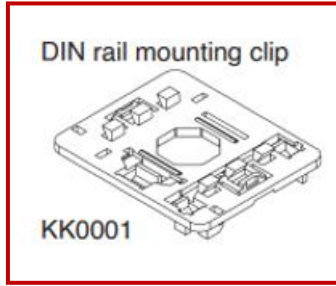
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NOTE:

- 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
- DIN rail mountaing clip
- Primary single or multi busbar mounting



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

Wire section in mm ²	Loss in VA (for both wires)					
	1m	2m	4m	6m	8m	10m
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