



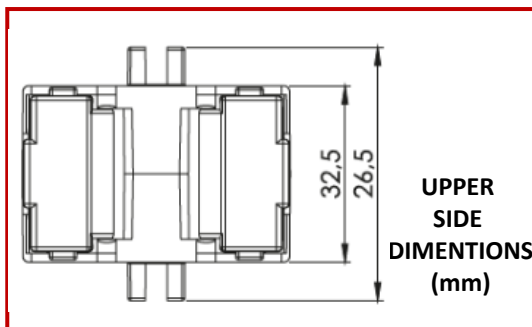
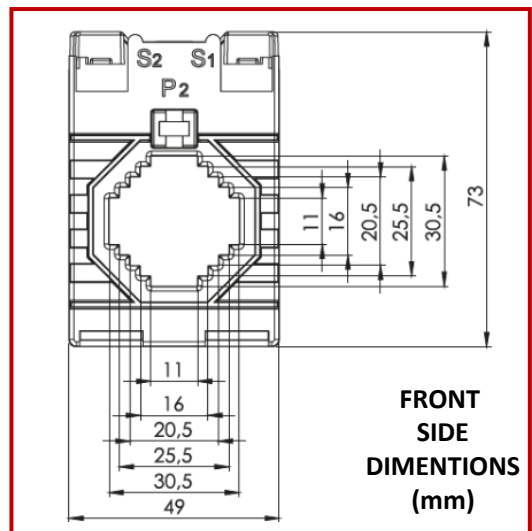
TK 30N SERIES (CURRENT TRANSFORMER)

FEATURES

TECHNICAL DATA

Standards	IEC 600441-1, IEC 61869-2, VDE 0414-1, DIN57414, BS3938, BS7626, EN61869-2.
CT Ratio	From 40A to 600A
Rated Power	Up to 5VA
Accuracy class	Class 0.5, 1.0, 3.0 or Class 5.0
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	30 x 10 mm
Round conductor	Ø 26 mm
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 1min
Max system voltage	0.72kV

DIMENSIONS





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CLASS		5	3	1	0.5
SERIES	CURRENT RATIO	BURDEN (VA)			
TK30N	40/5	1	-	-	-
	50/5	1	-	-	-
	60/5	1.5	1.5	-	-
	75/5	-	1.5	-	-
	80/5	-	-	1	-
	100/5	-	-	1.5	-
	125/5	-	-	1.5	-
	150/5	-	-	2.5	2.5
	160/5	-	-	2.5	2.5
	200/5	-	-	2.5	2.5
	250/5	-	-	2.5	2.5
	300/5	-	-	2.5	2.5
	400/5	-	-	2.5	2.5
	500/5	-	-	3.75	2.5
	600/5	-	-	3.75	2.5



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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:

TK30N 500/5A, CL.1, 3.75 VA

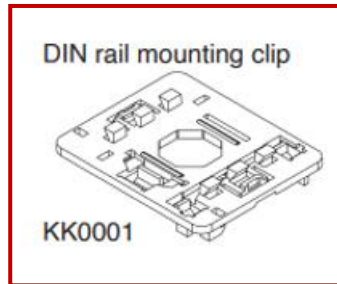
Code: TK30N5005104

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





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

Wire section in mm2	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