

# DIN TYPE TRANSFORMERS DRY INSULATED UP TO 24 KV

The DIN range of SADTEM models offers a comprehensive choice of current and voltage transformers, from 7.2 to 24kV, fully complying with the DIN Standard 42600. Most used models are presented here. A wide range of transformers to fit any requirement is available upon request.

All models meet the dimension requirements of this Standard, for both 12kV and 24kV : any of these are interchangeable with another DIN complying unit of the same voltage range.

They are produced with the same manufacture process as our other products, to guarantee excellent dielectric strength, and partial discharge free opération.

## STANDARD AND TESTS

The transformers are manufactured according to the required electrical standard: French, English, German, Canadian, American, Australian, International, etc...

They can also be designed according to any customer specification.

## TYPICAL RATINGS

See the following tables to select the model you need. If your requirement does not fits in the chart, please ask, we will be happy to assist you in finding a solution.

### VOLTAGE TRANSFORMERS

INSUL. kV	BIL kV	MAX. PRIM. VOLTAGE V	TYPE	AVAILABLE BURDENS (VA)						THERMAL BURDEN (VA)	
				1 SECONDARY			2 SECONDARIES				
				CL0.2	CL0.5	CL1.0	CL0.5 + CL0.5	CL1 + CL1			
12	75	11000/v3	SY12	30	100	200	40	40	80	80	300 to 400
17.5	95	15000/v3		25	100	200	40	40	80	80	
12	75	11000	SV12	30	100	200	50	50	100	100	300 to 600
17.5	95	15000		15	80	150	30	30	60	60	300

24	125	22000/v3	SY24-2	50	200*	400*	50	50	100	100	300 to 500
		22000	SV24-1	10	50	100					300
			SV24-2	50	100 to 150	100 to 400	50	50	100	100	400 to 700

Phase to ground VT : Residual Voltage winding 100/3 or 110/3 2A-8h upon request  
\* 80% of burden with residual voltage winding 2A-8h

Secondary voltage : 100, 110, 100/v3, 110/v3 other values upon request

# DIN CURRENT TRANSFORMERS TYPICAL RATINGS

IEC 50 or 60 Hz

Up to 2500A or 2 x 600A (Series – parallel)

SW82/150b28 : 12 kV and 17,5kV  
SW84/180b29 : 24kV

The chart gives the lowest primary current  
from which the accuracy can be made

### SINGLE RATIO

Accuracies		RATED SHORT TIME CIRCUIT																		
		8KA 1S or 4.6KA 3S	12.5KA 1S or 7.2KA 3S	16KA 1S or 9.2KA 3S	20KA 1S or 11.5KA 3S	25KA 1S or 14.4KA 3S	31.5KA 1S or 18.2KA 3S	40KA 1S or 23.1KA 3S	50KA 1S or 28.8KA 3S	63KA 1S or 36.4KA 3S										
1 <sup>st</sup> CORE	2 <sup>nd</sup> CORE	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	
10																				
15	0.2 Fs5																			
30																				
10																				
15	0.5 Fs5																			
30																				
10																				
15	1 Fs5																			
30																				
10																				
15	5P10																			
30																				
5																				
10																				
15	10P10																			
30																				
10																				
15	0.5 Fs5	15		30	5P10	30		30		30		30		30		30		30		30
30		30		60		60		125		150		200		250		400		500		500
10																				
15	0.5 Fs5	15		30	10P10	30		30		30		30		30		300		300		300
30		30		60		60		100		100		200		200		300		300		400
10																				
10		10		10		10		30		30		30		30		125		125		125
15		15		15		15		40		40		40		40		200		200		200
15	1 Fs5	15		30	5P10	30		50		50		50		50		200		200		200
30		30		60		60		100		100		125		150		300		300		300
10																				
10		10		10		10		30		30		30		30		125		125		125
15		15		15		15		40		40		40		40		200		200		200
15	1 Fs5	15		30	10P10	30		50		50		50		50		200		200		200
30		30		60		60		100		100		125		150		300		300		300

### DOUBLE RATIO WITH SERIES - PARALLEL PRIMARY

10	0.2 Fs5			2x 30A	2x 40	2x 40	2x 50	2x 60	2x 75	2x 125	2x 150	2x 150
15				2x 30	2x 40	2x 40	2x 50	2x 60	2x 75	2x 125	2x 150	2x 150
10				2x 20	2x 25	2x 30	2x 40	2x 50	2x 60	2x 75	2x 100	2x 100
15	0.5 Fs5			2x 20	2x 25	2x 30	2x 40	2x 50	2x 60	2x 100	2x 100	2x 100
30				2x 20	2x 40	2x 40	2x 50	2x 75	2x 75	2x 125	2x 125	2x 125
10				2x 20	2x 20	2x 20	2x 20	2x 40	2x 40	2x 75	2x 50	2x 75
15	1 Fs5			2x 20	2x 20	2x 20	2x 25	2x 50	2x 40	2x 100	2x 60	2x 75
30				2x 20	2x 25	2x 30	2x 40	2x 60	2x 60	2x 100	2x 100	2x 100
10				2x 20	2x 20	2x 20	2x 20	2x 40	2x 60	2x 75	2x 100	2x 100
15	5P10			2x 20	2x 40	2x 30	2x 40	2x 50	2x 60	2x 100	2x 125	2x 125
30				2x 40	2x 50	2x 50	2x 75	2x 100	2x 100	2x 200	2x 250	2x 250
5				2x 20	2x 20	2x 20	2x 20	2x 25	2x 40	2x 50	2x 50	2x 75
10				2x 20	2x 20	2x 20	2x 20	2x 30	2x 50	2x 75	2x 100	2x 100
15	10P10			2x 20	2x 30	2x 30	2x 30	2x 50	2x 50	2x 100	2x 125	2x 125
30				2x 40	2x 50	2x 50	2x 75	2x 100	2x 125	2x 200	2x 250	2x 250
10				2x 40	2x 50	2x 50	2x 50	2x 75	2x 100	2x 150	2x 200	2x 200
15	0.5 Fs5	15		2x 50	2x 75	2x 75	2x 100	2x 125	2x 200	2x 300	2x 400	2x 400
30		30		2x 60	2x 75	2x 100	2x 100	2x 150	2x 200	2x 400	2x 400	2x 600
10				2x 40	2x 50	2x 50	2x 60	2x 75	2x 100	2x 150	2x 200	2x 200
15	0.5 Fs5	15		2x 50	2x 75	2x 75	2x 100	2x 125	2x 150	2x 300	2x 400	2x 400
30		30		2x 60	2x 75	2x 100	2x 100	2x 150	2x 200	2x 300	2x 400	2x 500
10				2x 20	2x 30	2x 40	2x 40	2x 75	2x 75	2x 125	2x 125	2x 125
10		10		2x 30	2x 40	2x 50	2x 60	2x 100	2x 100	2x 150	2x 200	2x 200
15	1 Fs5	15		2x 40	2x 50	2x 60	2x 75	2x 100	2x 125	2x 200	2x 200	2x 250
15		30		2x 50	2x 75	2x 75	2x 100	2x 150	2x 150	2x 300	2x 400	2x 400
30		30		2x 60	2x 75	2x 100	2x 100	2x 150	2x 200	2x 300	2x 400	2x 400
10				2x 20	2x 30	2x 40	2x 40	2x 75	2x 75	2x 125	2x 125	2x 125
10		10		2x 30	2x 40	2x 50	2x 60	2x 100	2x 100	2x 150	2x 150	2x 200
15	1 Fs5	15		2x 40	2x 50	2x 60	2x 60	2x 100	2x 125	2x 200	2x 200	2x 200
15		30		2x 50	2x 75	2x 75	2x 100	2x 125	2x 150	2x 300	2x 300	2x 300
30		30		2x 60	2x 75	2x 100	2x 100	2x 150	2x 150	2x 300	2x 400	2x 400

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