

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 st CORE	2 nd CORE	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI	VA	CI				
10		15	0.2 Fs5			25A		40		40		50		60		75		100		150		150	
15		30				25		40		40		50		60		75		100		150		150	
10		15	0.5 Fs5			20		20		25		30		40		50		50		75		100	
15		30				20		20		25		30		40		50		50		75		100	
30		60				20		25		30		50		50		75		75		100		125	
10		15	1 Fs5			20		20		20		20		40		40		40		50		75	
15		30				20		20		25		25		40		40		40		60		75	
30		60				20		25		40		40		50		50		50		75		100	
10		15	5P10			20		20		25		25		40		50		60		75		100	
15		30				20		25		30		40		40		60		75		100		125	
30		60				20		40		50		50		75		100		150		250		250	
5		10	10P10			20		20		20		20		25		40		40		60		75	
10		15				20		20		30		30		30		50		50		75		100	
15		30				20		20		30		30		40		50		75		100		100	
30		60				20		40		50		50		75		100		125		250		250	
10		15	0.5 Fs5	15	5P10	40		40		50		50		100		100		100		200		200	
15		30		30		50		60		75		75		125		150		200		300		300	
30		60		30		60		60		125		150		150		200		250		400		500	
10		15	0.5 Fs5	15	10P10	40		40		50		50		100		100		100		200		200	
15		30		30		50		50		75		75		125		150		200		300		300	
30		60		30		60		60		100		100		150		200		200		300		400	
10		10	1 Fs5	15	5P10	20		30		30		40		50		60		75		125		125	
10		15		15		30		40		50		60		75		100		150		200		200	
15		30		15		30		50		60		75		100		125		150		200		200	
30		60		30		60		60		100		100		125		150		200		300		300	
10		10	1 Fs5	15	10P10	20		30		30		40		40		60		75		125		125	
10		15		15		30		40		50		60		75		100		100		200		200	
15		30		15		30		40		60		60		75		100		100		200		200	
30		60		30		60		60		75		75		100		150		200		250		300	
30		60		30		60		60		100		100		125		150		200		300		300	

DOUBLE RATIO WITH SERIES - PARALLEL PRIMARY

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

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