

Data Sheet no. 8.22/3

Exciter Transformer for MV Cable Testing with Variable Frequency, Type PEAK ¹⁾

Description

These types of exciter transformers have been developed for use in resonant test systems with variable frequency for the on-site testing of medium-voltage cables by using tank type reactors (Data Sheet 8.14).

The transformers are realized in conventional design with air cooling and are covered by a steel case. They are especially designed for on-site testing

including frequent transportation and outdoor operation.

The transformers have three or more different output voltages for adaptation of the output voltage to the requirements of the test.

The secondary windings are led out through special multicontact connectors. All transformers have a grounded shield between the primary and secondary winding to reduce the capacitive coupling.

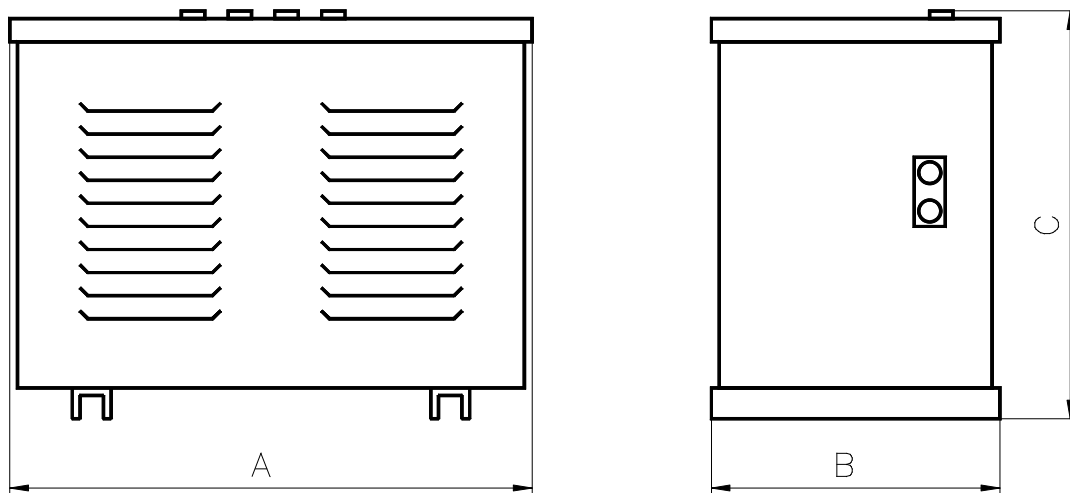


Fig. 1: Schematic sketch of exciter transformer

Table 1: Technical Parameters

Type		PEAK 63/1.1	PEAK 37/1.5	PEAK 36/3.6	PEAK 68.5/3.3
former type		ET 23/1.1-20	ET 10/1.5-20	ET 6/3.6-30	ET 12.5/3.3-30
Input Voltage	V	550		600	
Output Voltage	kV	0.21 / 0.5 / 1.1 / 2.1	0.25 / 0.5 / 1 / 1.5	0.6 / 2.4 / 3.6	0.42 / 0.84 / 1.65 / 3.3
Output Current	A	23 / 23 / 23 / 4	10	6	50 / 50 / 25 / 12.5
Frequency Range	Hz	20 ... 300		30 ... 300	
Duty Cycle		continuous operation		30 min ON – 30 min OFF, 3 cycles per day	continuous operation
Length (A)	mm	800	650	720	1440
Width (B)	mm	600	580	590	830
Height (C)	mm	800	835	650	1630
Weight	kg	290	320	280	930

Modification of the technical data on request

Type designation: PEAK **a/b**
a – type power in kVA
b – rated output voltage in kV

¹⁾ The type designation was changed with Data Sheet version no. 8.22/3 from ET to PEAK.

For further information please contact:

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