

PROJECT INFORMATION

By developing and manufacturing special technical solutions we are creating innovations for solving our customers' problems. Corresponding to their requirements we develop and manufacture different kinds of transformers, voltage stabilizers, chokes, power supply units and power resistors.

Thanks to higher quality, longer service life and lower operational costs RUHSTRAT technology brings you ahead with all kinds of application.

Single-Phase Variable Transformer Aggregate

The variable transformer aggregate is used for the adjustment of different release points with power switches in the low voltage range. With this test the power switches are loaded with different current values of up to 6300 A, thereby, their release characteristics are verified.

For the necessary secondary rated current of 10 000 A a high-current transformer is used as so-called high-current actuator coil. This high-current actuator coil consists of a wire-wound band ring core with the primary excitation winding through which a high-current bus bar is induced. The necessary variable voltage of 0 to 10 V is induced to a high-current bus bar or high-current cable. The high-current actuator coil can be mounted close to the consumer. Thereby, voltage drops on the leads track are kept small.

The variable column transformer is used for the voltage adjustment of the second-

ary rated voltage. The voltage adjustment from 0 to 100% is carried out at the front side of the protective enclosure by means of push buttons. The aggregate is completely mounted and wired so that it is ready for connection.



Characteristics:

- variable transformer with compensation winding for the reduction of voltage drops under load
- constantly low transition resistances in the contact systems due to hard silver-plating
- drive via motor drive with interlocked reversing contactor circuit
- 1 limit switch each (min./max.)

rated power	100 kVA
rated input voltage	400V / 50 Hz
rated output voltage	0 to 10 V, steplessly adjustable, induction of the secondary voltage to a high-current bus bar / high-current cable
current collection	10.000 A
vector group	IO/II(i0)
cooling	AN (air cooling)
degree of protection	IP20 (variable transformer) / IP54 (high-current transformer)

