

Transformer Module

COSAL



Overview

The transformer modules serve to supply the series circuits. Each module comprises the following units:

- Power supply transformer
- Current transformer for actual-value acquisition
- Surge arrester
- Connection module for insulation value monitoring (optional)
- Terminals

Besides the 9 transformer sizes standardized in IEC 61822, additional customized transformer modules are available, with ratings from 0.6 to 35 kVA. The gradations in the power units have been specified so as to enable the module to be optimally matched to any series-circuit power by appropriate selection of the winding tap. Up to a rating of 10 kVA, the module frames slide on angled steel profiles, and after insertion are fixed in position using screws. In the case of higher ratings, the transformer modules are permanently integrated.

Technical Data for all Modules

Connection symbol:	li0
Degree of protection:	IP 00
Insulation Class:	T40/F
Rated voltage tolerance:	+10 % / -15 %
Ambient temperature:	-10° C to +55 °C
Humidity (non-condensing):	< 95 %

Available Options

- High-voltage relay for insulation measurement
- Surge arrester

Technical Data

Rating / kVA	1	2.5	5	7.5	10	15	20	25	30
Primary voltage / V at 50 Hz	196	196	196	196	196	340	340	340	340
Test voltage kv	2.5/4	2.5/4	2.5/4	2.5/6	2.5/6	2.5/8	2.5/10	2.5/10	2.5/12
Type of cooling	S	S	S	S	S	AN	AN	AN	AN
As per VDE	0.89	0.92	0.94	0.96	0.96	0.97	0.97	0.97	0.98
Weight / kg	25	42	66	82	104	123	176	215	205
Overall height / mm	350	350	350	350	500	750	875	875	875

POWER EQUIPMENT

Transformer Module

Ordering Numbers

Rating / kVA	Option	Type
1		TRA 015
1	with high-voltage relay	TRA 016
2.5		TRA 025
2.5	with high-voltage relay	TRA 026
5		TRA 055
5	with high-voltage relay	TRA 056
7.5		TRA 071
7.5	with high-voltage relay	TRA 072
10		TRA 108
10	with high-voltage relay	TRA 109
15		TRA 151
15	with high-voltage relay	TRA 152
20		TRA 201
20	with high-voltage relay	TRA 202
25		TRA 251
25	with high-voltage relay	TRA 252
30		TRA 301
30	with high-voltage relay	TRA 302

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Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.