

Siltrim

Compact and fire resistant transformer up to 3.3 MVA - 36 kV

PM10222



Siltrim meets or exceeds major international standard requirements.

Customer Benefits

- Long life cycle
- Compact
- Fire resistant, explosion-proof
- Designed for high harmonic environments and overload conditions
- Low heat dissipation
- Optional vibration pads for additional resistance
- Near-zero maintenance, recyclable

Schneider Electric has designed a very compact distribution transformer answering your technical requirements and adapted to fit into reduced spaces such as wind towers and offshore oil & gas platforms.

Compact transformer Siltrim: excellent compromise

Guided by constant feedback from our customers, Schneider Electric engineers have developed an innovative, high advanced technical solution, Siltrim.

PM10223



Siltrim's patented design allows it to remain cool despite its extremely compact size. Siltrim is specifically built for our customers' complex mechanical and electrical environments and can be installed in the harshest environmental locations

Siltrim, for extra power without extra heat

Wherever extra power from an ultra-compact transformer is needed, Siltrim is the answer.

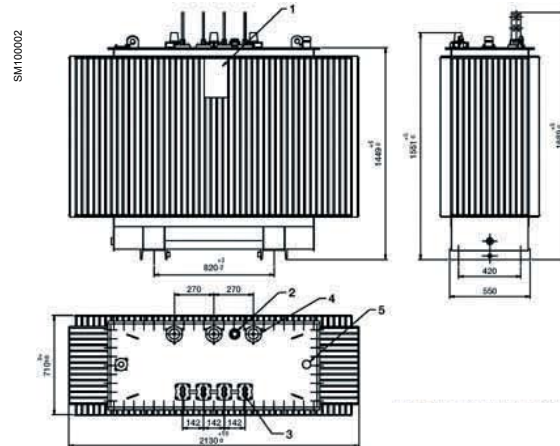
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It has been tested for an extremely high over-voltage level and is equipped with a pressure-relief device as an added safety measure against explosion. The Siltrim transformer is ideally suited for installation in wind turbines towers, compact substations, as well as onshore and offshore platforms.

Extremely compact, it fits into small spaces yet remains cool. It offers lower winding hotspot temperatures resulting in a longer working life with high availability and proven reliability.

PM102225



Siltrim's high performance level (higher efficiency, low temperature rise, fire resistance) combined with its compactness is obtained by using an excellent fire resistant and heat dissipating dielectric liquid. Siltrim can handle high harmonics, environmental and overload conditions.

Siltrim 1600 kVA 20/0,69 kV

- 1 Rating plate
- 2 Tap changer
- 3 LV connecting lugs
- 4 HV plug-in bushings
- 5 Pressure relief device

Technical characteristics

Rated power	kVA	1,600	1,800	2,000	2,300	2,500	2,800	2,300	2,500
Rated Voltage LV / HV	V	690 / 20,000	690 / 20,000	690 / 20,000	690 / 20,000	690 / 20,000	690 / 20,000	400 / 20,000	400 / 20,000
Tappings on HV	%	±2.5±5	±2.5±5	±2.5±5	±2.5±5	±2.5±5	±2.5±5	+4x2.5	+4x2.5
Vector group		Dyn	Dyn	Dyn	Dyn	Dyn	Dyn	Dyn	Dyn
No load losses	W	1,700	2,000	2,200	2,400	2,650	3,200	3,400	3,400
Load losses at 120°C	W	16,000	16,500	18,000	19,000	19,500	20,500	17,500	17,500
Impedance at 120°C	%	6	6	6	6	6	6	6	6
Top oil temperature rise	K	80	80	80	80	80	80	80	80
Mean winding temperature rise	K	100	100	100	100	100	100	100	100

Dimensions & weight

Length	mm	2,130	2,200	2,230	2,300	2,350	2,400	2,392	2,375
Width	mm	710	770	770	770	810	810	770	770
Height	mm	1,680	1,720	1,900	1,950	2,080	2,200	2,125	2,130
Total weight	kg	3,600	3,940	4,500	4,900	5,500	6,200	6,070	6,070

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