

DKSC系列(35kV级)树脂绝缘干式接地变压器

DKSC series (35kV) cast resin dry-type earthing transformers



Add: No.168 Chenshao Road Pudong Development Zone
Shanghai 201209

Tel: 008621-58633868

Fax: 008621-58633770

Sales Department: No.800 East Beijing Road
Shanghai 200001

Tel: 008621-63221022 008621-63225157

Fax: 008621-63225157

E-mail: htc@huguang.com

<http://www.huguang.com>

厂部:上海浦东新区陈邵路168号

邮政编码:201209

电话: 008621-58633868

传真: 008621-58633770

营销部:上海北京东路800号

邮政编码:200001

电话: 008621-63221022 008621-63225157

传真: 008621-63225157

电子信箱: htc@huguang.com

网址: <http://www.huguang.com>

上海沪光变压器有限公司
SHANGHAI HUGUANG TRANSFORMER CO.,LTD.

DKSC系列树脂绝缘干式接地变压器 DKSC series cast resin dry-type earthing transformers

DKSC 系列树脂绝缘干式接地变压器是本公司在引进国际先进变压器设计技术及制作工艺的基础上，研发的干式特种变压器。该变压器与油浸式接地变压器相比，安全，难燃，防火，无污染，而且无需经常维护。

产品具有局放小、损耗低、散热性能好、防潮能力强、抗突发短路强、造型美观等诸多优点。主要用于6-35kV中心点不接地电网的变电站中，为不接地电网系统点提供一个人为的中性点，用于保护供电线路和设备。产品可附带二次低压绕组，为变电站内负荷提供电能。本产品在上海轨道交通供电系统中已经得到了广泛应用。

As a kind of cast resin dry-type special transformers, the DKSC series of earthing transformers is developed by the company with international advanced technology and manufacturing procedures. Compared with the similar ones of oil-immersed type, it was safety, burning-proof, fire-resisting, pollution-free and no-maintenance.

The product has the advantages such as low partial discharge, low loss, good heat dissipation, good moisture proof, strong unexpected short circuit resistance, and perfect appearance. The earthing transformer provides an artificial neutral point for 6 - 35kv isolated neutral networks to safeguard power system and equipments. Secondary low voltage windings can be designed to provide power for substation. The products have been applied widely in Shanghai metro system.

产品特点 Products Characters

铁心采用先进的全斜四阶梯步进叠积结构，大大地改善了接缝处的磁通分布，有效地降低了空载损耗、空载电流及噪声。变压器夹紧机构为平钢板夹件，内拉板与独具一格的弹性压钉结合。在确保铁心与绕组夹紧力的前提下，充分体现了其简洁美观之优点。

绕组为薄绝缘、少填料全浇注型，防潮能力极强，为立即上电型变压器。绕组内外层均用进口玻璃丝网格和玻璃丝带填充缠绕，与树脂渗透固化为一体，具有极强的抗开裂和抗突发短路的能力。

产品浇注采用最新一代德国 HEDRICH 真空浇注设备。具有真空薄膜脱气、计量泵、静态混料等先进技术，保证环氧混合料的配比精度和浇注质量。绕组的局部放电量小于10pC。

With oblique four-ladder stepping piling structure, the iron core improves efficiently the flux distribution at the seam and thus the no-load loss, no-load current and noise are decreased.

The clamping system is of flat armor plate and inner tie rod integrated with unique flexible pressing screw, which ensures a strong clamping force to iron core and windings. It looks simple and elegant.

The high and low voltage windings are full cast type with thin-coating insulation. They are damp proof, and can be put to run straight away. The inside and outside surfaces of the windings are wound with fiberglass grid and glass braid, integrated closely with epoxy resin. Thus it can prevent crack and withstand unexpected short circuit accidents.

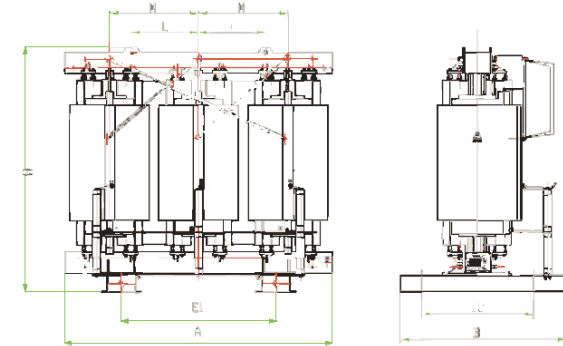
Newly Germany HEDRICH vacuum casting equipment is imported with advanced technology such as vacuum film degassing, metering pump, static material mixing. Therefore the mixing accuracy and casting quality of epoxy can be ensured, and partial discharge of the windings is less than 10pC.

产品应用标准 Technical Standards

GB 1094-1996	电力变压器	GB1094-1996	《Power transformers》
GB 1094.11-2007	电力变压器 第 11 部分 干式变压器	GB 1094.11-2007	《power transformers par 11: Dry-type power transformers》
GB10229-1988	电抗器	GB 10229-1988	《Reactors》
IEC60076-11 2004	电力变压器第 11 部分 干式变压器	IEC60076-11 2004	《Power transformers par 11: Dry-type power transformers》
GB311	高压输配电的绝缘配合	GB311	《Insulation co-ordination for high-voltage transmission and transformation equipments》
GB/T17211-1998	干式电力变压器负载导则	GB/T17211-1998	《Loading guide for dry-type power transformers》

DKSC系列树脂绝缘干式接地变压器性能参数及外形尺寸

DKSC series technical characteristics and overall dimensions of cast resin dry-type earthing transformers



额定电压 (kV): 35, 38.5 绝缘水平: LI200 AC85 联接组标号: ZN或ZNY11
Rated voltage (kV): 35, 38.5 Insulation level: LI200AC85 Connection Symbol: ZN or ZNY11

容量 (kVA)	P ₀	I ₀	零序阻抗 zero-sequence impedance		L _{pa}		外型尺寸 (mm) Overall Dimension					重量 (kg)
Rated Power	W	%	Ω / 相	dB	A	B	H	E1	E2	M	L	Weight
3150	3700	0.4	≥29	55	2640	1760	2330	1475	1070	880	680	7210

* 零序阻抗可与用户协商确定。

* 表中所提尺寸仅供参考，实际安装尺寸按订货时提供的总装外形图。

*The zero-sequence impedance should be subjected to a negotiation between the manufacturer and the purchaser for determination.

*Dimensions above are for reference and the installation should be in accordance with the final assembling drawings provided when ordering.

产品使用条件 Service Conditions

海拔高度: ≤1000m

环境温度:

最高气温 40℃

最低气温 -30℃

最高日平均气温 30℃

户内使用

相对湿度:

95%(25℃) 日平均

90%(25℃) 月平均

Altitude: ≤1000 m

Ambient temperature:

Maximum temperature: 40℃

Minimum temperature: -30℃

Maximum average temperature in any one day: 30℃

Indoor

Relative humidity:

Average temperature in any one day 95%(25℃)

Average temperature in any one month 90%(25℃)