

6. 主要技术参数 Main technical data

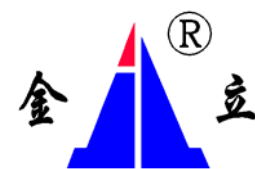
| 额定电压 KV rated voltage | 调压部位 regulating position | 接触 电阻 $\mu\Omega$ contact resistance | 工频耐受电压 KV/min Working frequency pressure resisting in the oil of the transformer | | |
|--------------------------------|-----------------------------|---|--|-------------|-----------------------------|
| | | | 对地 toward ground | 相间 apart | 触头间 the space of antenna |
| 10 | 中部 middle part | $\leq 350 \mu\Omega$ | 42 | 42 | 18 |
| 20 | | | 55 | 55 | 20 |
| 35 | | | 95 | 95 | 30 |

7. 使用注意事项

- 7.1 使用环境温度：空气中 $-25^{\circ}\text{C}\sim 40^{\circ}\text{C}$ ，油中 $-25^{\circ}\text{C}\sim 100^{\circ}\text{C}$ ；
- 7.2 安装场所应无爆炸与腐蚀性气体；
- 7.3 分接开关组装前，一定要检查分接开关是否符合变压器型号要求，以免造成不应有的损失；
- 7.4 开关定位件一定要与变压器定位件接触良好，特别是缺口定位方式的开关，必须使缺口的金属部位与变压器定位件相接触；
- 7.5 分接开关端子引线不得使分接开关受力变形，且引线及运动部件留有足够的运行间隙，（一般为 10mm ）以免运动阻滞；
- 7.6 本开关最高干燥温度为 100°C ，如干燥后，档位转动过紧或过松时，请用 17mm 扳手调节塞子适当松紧即可；
- 7.7 如变压器沿转轴渗油，请将塞子旋紧即可，如沿箱盖渗油，请将固定螺母旋紧即可；
- 7.8 当开关在极限档位时，严禁向极限方向用力扳动手柄；
- 7.9 组装前、切换前应在分接开关的分接位置上转换 $3\sim 5$ 次，分接在完成调换后，应将转换手柄放入法兰定位槽内，并将防护罩拧紧，以防变压器在运行中开关触头接触窜动而将变压器烧毁，防护罩既是防雨装置又是开关的限位保护装置，故一定要拧紧，切勿丢失。
- 7.10 根据安装时箱盖厚度确定是否需要调节平垫。

7. Points for attention:

- 7.1 Ambient temperature for using: in air $-25^{\circ}\text{C}\sim 40^{\circ}\text{C}$, in oil $-25^{\circ}\text{C}\sim 100^{\circ}\text{C}$;
- 7.2 There should be no explosive or corrosive gas in the installation place.
- 7.3 Before assembling the tapping switch, must check up whether the tapping switch conforms to the type specification of the transformer in order to avoid causing the loss that should not occur.
- 7.4 The switch location part must be contacted well with the transformer location part, especially for the switch with nick location mode, must make the metal part of the nick contact the location part of the transformer.
- 7.5 The leading wire of the terminal of the tapping switch mustn't make the tapping switch deformed because of stressing and the leading wire and the moving part should have enough moving space (usually 10mm) in order to avoid movement hindered.
- 7.6 The maximum drying temperature of this switch is 100°C , if after drying, the gear position turns too tightly of too loosely, please use the spanner of 17mm to regulate the spigot for the suitable degree of the tightness.
- 7.7 If the transformer is leaking oil along the rotary shaft, please revolve the spigot tight. If it is leaking oil along the box cover, please revolve the fixing nut tight.
- 7.8 When the switch is in the maximum gear position, strictly forbid wrenching the handle to the limit direction.
- 7.9 Before assembling and switching should make $3\sim 5$ times of transfer on the tapping position of the tapping switch, when the tapping has completed the regulating transfer, the transfer handle should be put into the flange locating slot and the protective shelter also should be revolved tight in order to avoid the contact of the switch moving and fleeing in the working course of the transformer, which may cause the transformer to be burnt. The protective shelter is the device both of the rainproof and the limit position of the switch, so it must be revolved tight, must be sure not to be taken away.
- 7.10 According to install a cover thickness is certain whether the demand regulates the even mat



WSL II₂ 系列无励磁分接开关

OFF-CIRCUIT TRAY-FORM TAP-CHANGE

安装使用说明书

OPERATION INSTRUCTION

辽宁金立电力电器有限公司

LIAO NING JIN LI ELECTRIC POWER
EQUIPMENT CO.LTD

1. 用途及使用范围

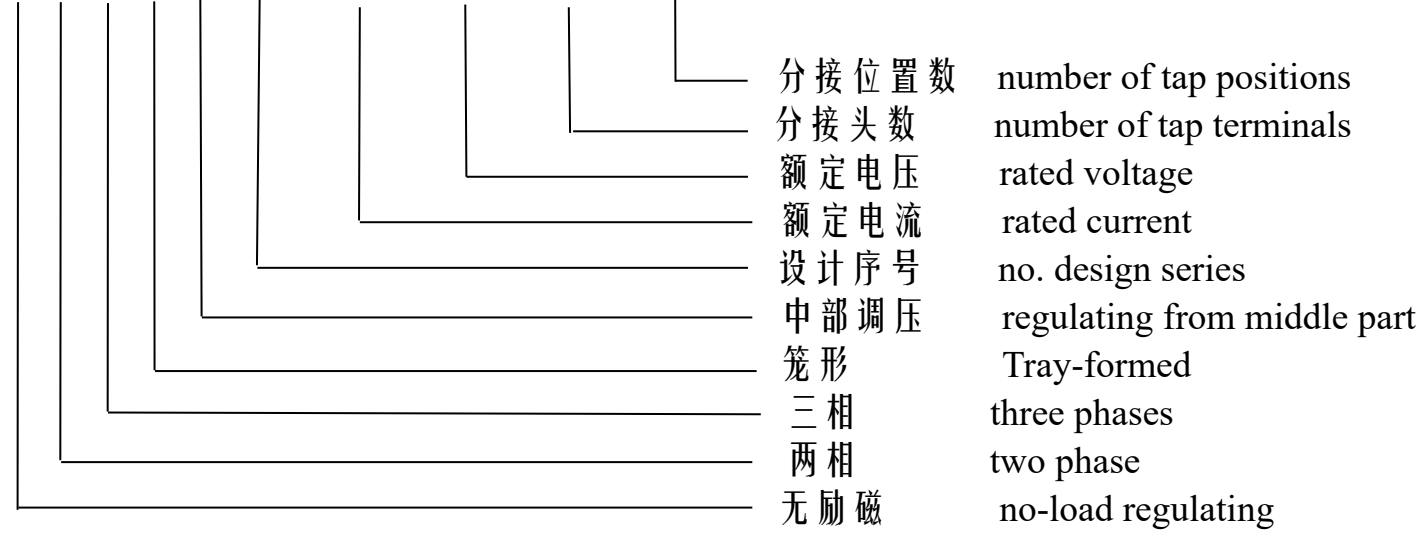
开关采用了新结构、新材料、新工艺，具有结构合理、手感好、转动灵活、到位准确等优点，是目前我国无励磁分接开关更新换代产品。适用于50、60Hz额定电压10、20、35Kv，额定电流63、125A油浸式变压器，可直接固定在变压器箱盖上或侧壁上，在无励磁状态下分接调换。

1. Application and operating principle

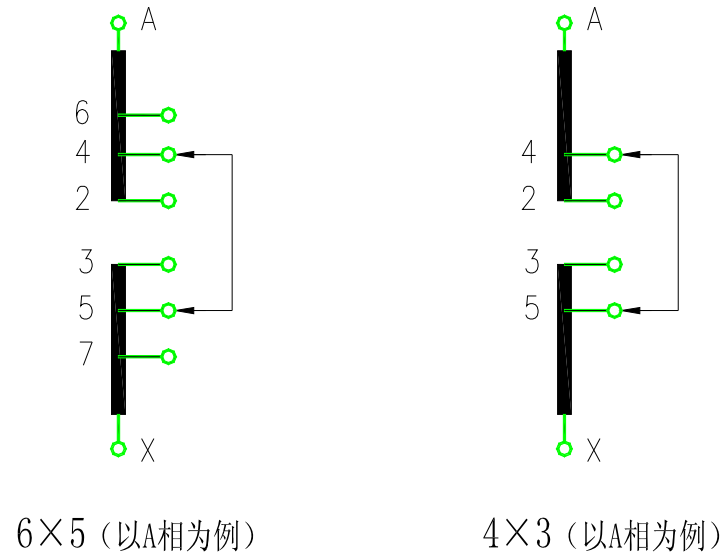
The changer which is made by new structure, new material and new technology has the merits of reasonable in structure, handle freely, turning flexibly, locating exactly, good hermetical performance and small value of contact resistance, It has become the new generation product. It is suitable for oil-immersed transformer with frequency 50Hz, or 60Hz, rated voltage 10kv、20kv、35kv, rated current 63A, 125A, It can be fixed directly on the cover of transformer tank, and must be working under non-energized condition. Whole sealing switch is same alike to Install the method the of the common switch.

2. 型号 Type

WL(S)L II □ - □ / □ - □ × □



3. 开关接线方式 a way of connecting a wire



4. 外形、安装尺寸图 Outline and installation size diagram

| 开关型号 Type of tap change | H | H1 | H2 | Md |
|------------------------------------|-----|-----|-----|----|
| WSL II ₂ 63/10-4×3,6×5 | 245 | 95 | 65 | M6 |
| WSL II ₂ 125/10-4×3,6×5 | | | | M8 |
| WSL II ₂ 63/20-4×3,6×5 | 330 | 110 | 100 | M6 |
| WSL II ₂ 125/20-4×3,6×5 | | | | M8 |
| WSL II ₂ 63/35-4×3,6×5 | 370 | 130 | 110 | M6 |
| WSL II ₂ 125/35-4×3,6×5 | | | | M8 |

