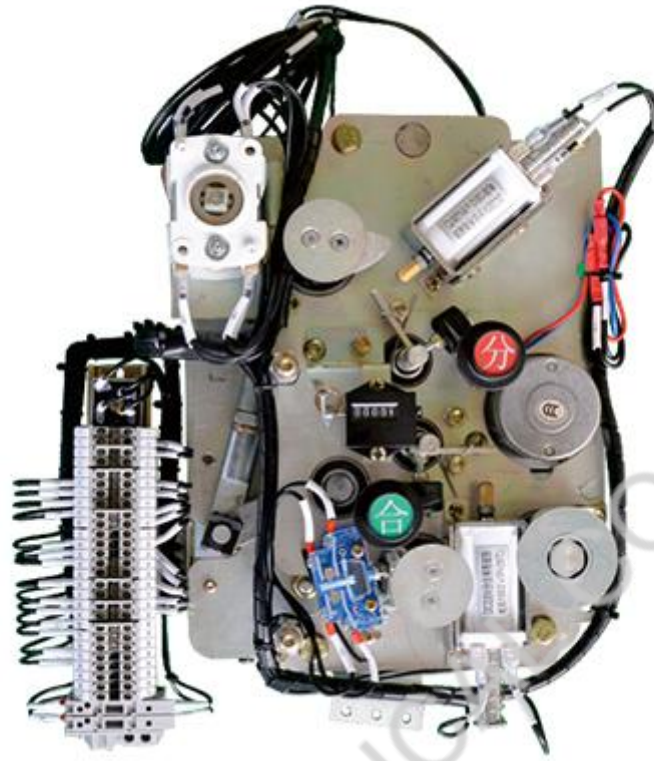


GH-12(V)弹簧机构 GH-12(V) Spring Operating Mechanism



◆ 概述 Overview

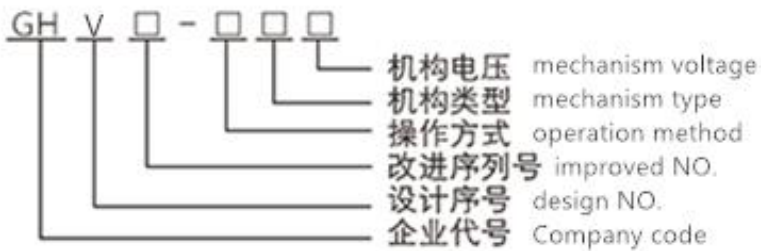
全绝缘紧凑型环网柜 V 型弹簧操动机构为额定电压 12kV 交流金属封闭式开关的配套设备，该断路器机构采用拉伸弹簧过死点控制断路器合闸的动作，分闸操作采用了压缩弹簧蓄能控制。该产品具有重合闸功能，与隔离机构有联锁功能，可靠性高、寿命可达 10000 次，安装方便和适应性强等特点，可完全替代原充气柜断路器机构。

该产品全检合格出厂，符合 GB 16926-2003《高压交流断路器》、GB/T11022-2011《高压开关设备和控制设备标准的共用技术要求》。

The fully insulated and compact ring network cabinet V type spring operating mechanism is the matching equipment of the rated voltage 12kV AC metal-enclosed switchgear. The circuit breaker mechanism adopts the tension spring over-dead point to control the closing action of the circuit breaker, and the opening operation is adopted. Compression spring energy storage control. The product has a reclosing function, interlocking function with the isolation mechanism, high reliability, life expectancy up to 10,000 times, easy installation and strong adaptability, and can completely replace the original inflator circuit breaker mechanism.

The product is fully qualified and ex-factory, in line with GB 16926-2003 "High Voltage AC Circuit Breaker", GB/T11022-2011 "Common Technical Requirements for High Voltage Switchgear and Control Equipment Standards".

◆ 型号说明 Type description



机构电压：DC/AC220V、110V、48V、24V、

操作方式：D 代表电动操作、S 代表手动操作

可根据用户需求加装合闸闭锁，计数器，无源保护等

Mechanism voltage: DC / AC220V, 110V, 48V, 24V,

Mechanism type: C for incoming line

Can add closing lock, counter, passive protection, etc. according to user's needs.

◆ GH-12 (V) 弹簧机构使用操作说明

GH-12(V) spring operating mechanism operation construction

1. 储能操作 Charging operation

确认检查产品有无运输变形，将机构安装固定在开关上，使用专用的操作手柄插入到机构右下部，顺时针旋转（或电动给电机通电）至“嘎哒”一声，完成储能动作。

Check whether the product is deformed or not during transportation, fix the mechanism on the switch.

Use a special operating handle to insert it into the lower right part of the mechanism, rotate clockwise (or energize the motor) to “ga-da” to complete the charging action.

2. 合闸操作 Closing operation

旋动绿色旋钮，断路器开关在机构弹簧力的作用下主回路合闸。或电动操作时给合闸线圈带电机完成合闸操作，同时给分闸弹簧储能，此时可再储能但是无法再合闸操作（有联锁）。

Turn the green knob and the circuit breaker will close the main circuit under the action of the spring force of the mechanism. Or when the electric operation is performed, the closing coil is energized,

the mechanism completes the closing operation, and at the same time, the opening spring is charged, and the energy can be charged again but cannot be closed again (with interlocking).

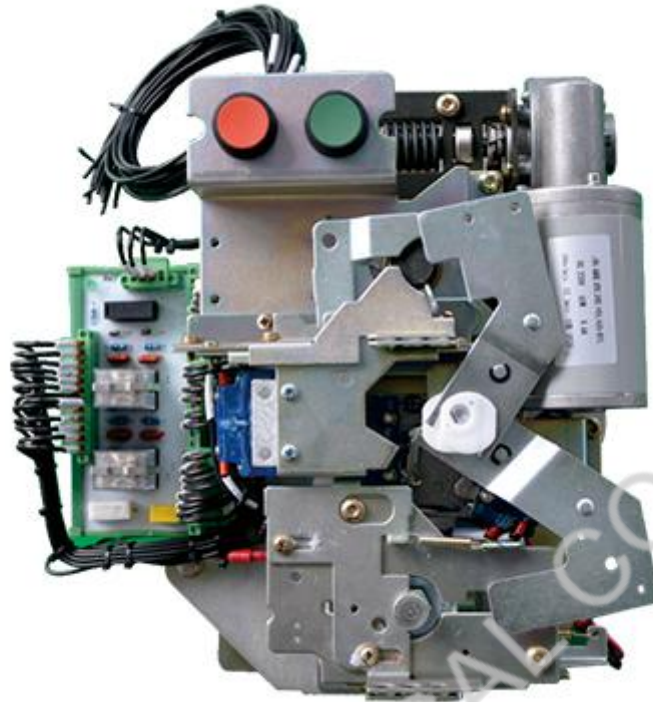
3. 分闸操作 Opening operation

转动红色旋钮，断路器开关在机构弹簧力的作用下主回路分闸。或电动操作时给分闸线圈带电机构完成分闸操作。

Rotate the red knob, and the circuit breaker opens under the action of the spring force of the mechanism. Or when the electric operation is performed, the opening coil is energized, the mechanism completes the opening operation.

GHORIT ELECTRICAL CO., LTD

GH-12(C)弹簧操动机构 GH-12(C) Spring Operating Mechanism



◆ 概述 Overview

全绝缘紧凑型环网柜 CF 弹簧操动机构为额定电压 12kV 交流金属封闭式开关的配套设备，该系列机构采用平面涡卷弹簧蓄能控制负荷开关的动作，接地操作采用了压缩弹簧过程中蓄能控制。工作位置有合闸、分闸、接地三个操作工位，该系列产品具有五防联锁功能，体积小、安装方便和适应性强等特点。该产品全检合格出厂，符合 GB3804-2004 《3.6kV-40.5kV 高压交流负荷开关》、GB3906-2006

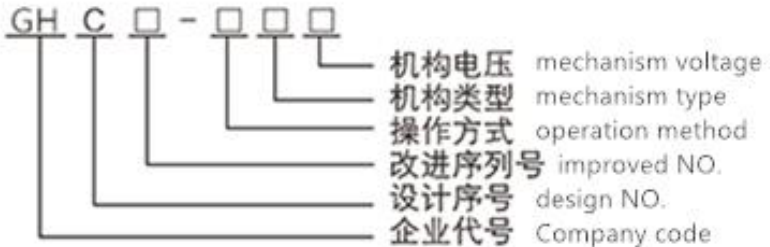
《3.6-40.5kV 交流金属封闭开关设备和控制设备》、GB 16926-2009 《高压交流负荷开关-熔断器组合电器》的相关要求。

The fully insulated and compact ring network cabinet CF spring operating mechanism is a matching equipment for rated voltage 12kV AC metal-enclosed switchgear. This series of mechanisms adopts the flat scroll spring energy storage to control the action of the load switch. The Earthing operation uses to control during the spring compression. The working position has three operation working-position: closing, opening and earthing. The series has five anti-interlocking functions, small size, convenient installation and strong adaptability.

The product is fully qualified and shipped to the factory, conform to GB3804-2004 "3.6kV-40.5kV high voltage AC load switch", GB3906-2006 "3.6-40.5kV AC metal-enclosed switchgear and control

equipment", GB 16926-2009 "high voltage AC load switch - Fuses combined electrical appliances related requirements.

◆ 型号说明 Type description



机构电压: DC/AC220V、110V、48V、24V、

机构类型: C 代表进线机构

操作方式: D 代表电动操作、S 代表手动操作

Mechanism voltage: DC / AC220V, 110V, 48V, 24V,

Mechanism type: C for incoming line

Mode of operation: D for electric operation, S for manual operation

◆ GH-12(C)弹簧机构使用操作说明

GH-12(C) spring operating mechanism operation construction

1. 合闸操作 Closing operation

确认检查产品有无运输变形, 将机构安装固定在负荷开关上, 使用专用的操作手柄插入到机构上部, 顺时针旋转约 90 度, 负荷开关在机构弹簧力的作用下主回路合闸。或电动操作按合闸按钮电机带动机构完成开关合闸操作, 此时无法进行接地操作。

Check whether the product is deformed or not during transportation. Install the mechanism on the load switch, insert into the upper part of the mechanism with a special operating handle, rotate it clockwise by about 90 degrees, and close the main circuit under the action of the spring force of the mechanism. Or electric operation according to the closing button motor to drive the mechanism to complete the switch closing operation, at this time can not be grounded.

2. 分闸操作 Opening operation

操作手柄插入到机构上部, 逆时针旋转约 90 度, 负荷开关在机构弹簧力的作用下主回路分闸。或电动操作时按分闸按钮, 电机带动机构完成分闸操作, 此时可进行合闸操作或接地操作。

The operating handle is inserted into the upper part of the mechanism, rotated about 90 degrees counterclockwise, and the main circuit is opened by the load switch under the action of the mechanical urging force. Or press the opening button during electric operation, and the motor drives the mechanism to complete the opening operation. At this time, can do closing operation or earthing operation.

3. 接地合闸和接地分闸操作 Earthing closing and earthing opening operation

操作手柄插入到机构下部，顺时针旋转约 90 度，负荷开关在机构弹簧力的作用下接地回路合闸，此时无法进行主回路合闸操作。

操作手柄逆时针转动约 90 度，负荷开关在机构弹簧力作用下接地回路分闸，此时可进行合闸操作或接地操作。

The operation handle is inserted into the lower part of the mechanism and rotated clockwise by about 90 degrees. The load switch is closed by the spring force of the mechanism, and the main circuit closing operation cannot be performed at this time.

The operating handle is rotated about 90 degrees counterclockwise, and the load switch is opened under the action of the spring force of the mechanism. At this time, the closing operation or the earthing operation can be performed.

◆ GH-12(C)弹簧操动机构 GH-12 (C) spring operating mechanism

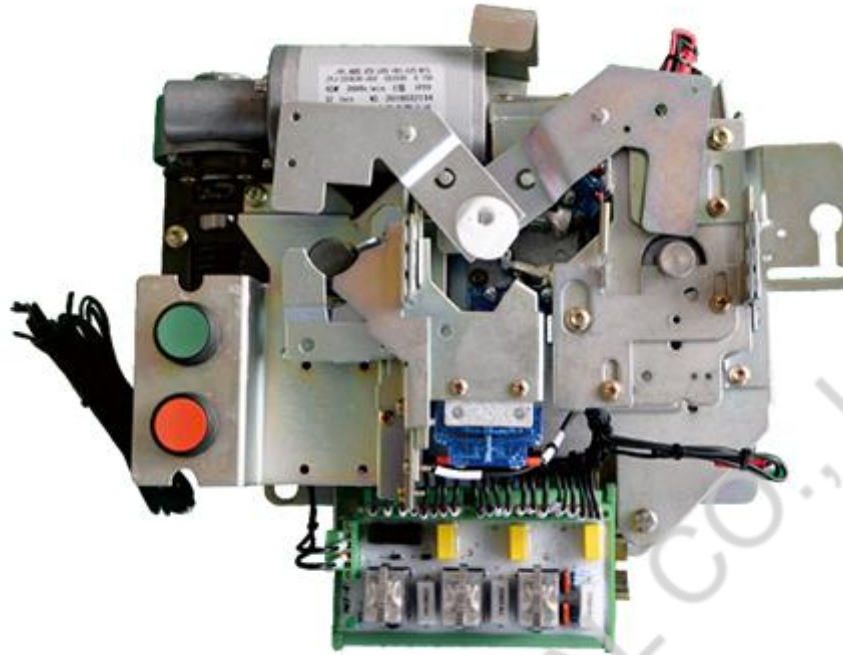


Manual incoming operating mechanism

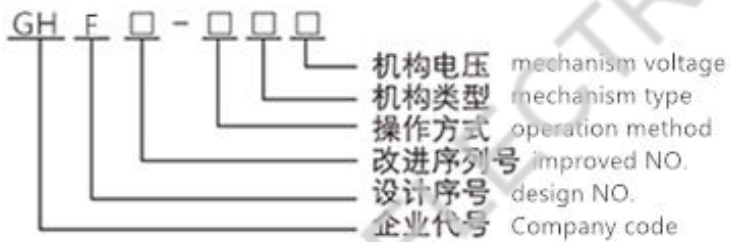


Electric incoming operating mechanism

GH-12(F)弹簧机构 GH-12(F) Spring Operating Mechanism



◆ 型号说明 Type description



机构电压: DC/AC220V、110V、48V、24V

机构类型: F 代表出线机构 (带熔断脱扣)

操作方式: D 代表电动操作、S 代表手动操作

Mechanism voltage: DC / AC220V, 110V, 48V, 24V

Mechanism type: F for outgoing mechanism (with fuse tripping)

Mode of operation: D for electric operation, S for manual operation

◆ GH-12(F)弹簧机构使用操作说明

GH-12(F) spring operating mechanism operation construction

1. 机构储能 Mechanism charging

确认检查产品有无运输变形，将机构安装固定在负荷开关上，使用专用的操作手柄插入到机构上部，顺时针旋转约 120 度，机构完成弹簧储能或电动操作电机带动弹簧蓄能。

Check whether the product is deformed or not during transportation, fix the mechanism to the load switch, insert the special operating handle into the upper part of the mechanism, rotate clockwise about 120 degrees, the mechanism completes the spring charging or the electric operation motor drives the spring to charge.

2. 合闸操作 Closing operation

按合闸按钮或电动操作时合闸线圈通电合闸弹簧释放能量机构带动负荷开关主回路合闸。

When press the closing button or the electric operation is performed, the closing coil energized, the closing spring release the energy, the mechanism drive the main circuit of the load switch to close.

3. 分闸操作 Opening operation

按分闸按钮或电动操作分闸线圈通电，分闸弹簧释放能量带动负荷开关主回路分闸。

Pressing the opening button or the electric operation to energize the opening coil, and the opening spring releases the energy to drive the main circuit of the load switch to open.

4. 接地合闸操作 Earthing closing operation

操作手柄插入到机构下部，顺时针旋转约 90 度，负荷开关在机构弹簧力的作用下接地回路合闸，此时无法进行主回路合闸操作。

The operating handle is inserted into the lower part of the mechanism and rotated clockwise by about 90 degrees. The earthing switch is closed by the load of the mechanism under the action of the spring force of the mechanism. At this time, the main circuit closing operation cannot be performed.

5. 接地分闸操作 Earthing opening operation

操作手柄逆时针转动约 90 度，负荷开关在机构弹簧力作用下接地回路分闸，此时可进行合闸操作或接地操作。

The operating handle is rotated about 90 degrees counterclockwise, and the load switch is opened under the action of the spring force of the mechanism. At this time, the closing operation or the earthing operation can be performed.