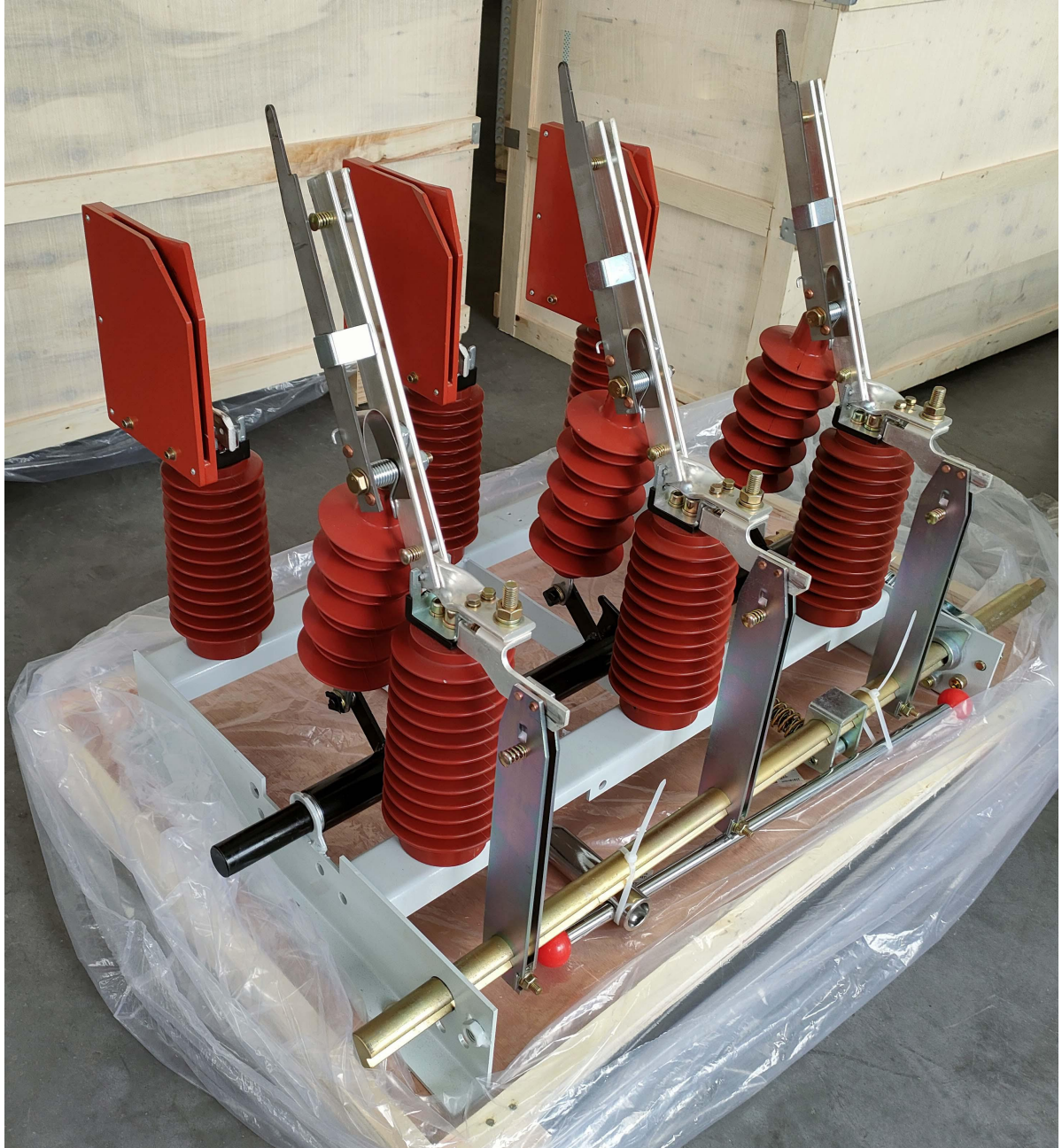


# FN7-24 INDOOR HV LOAD BREAK SWITCH

## FN7-24 户内高压负荷开关



**GHORIT ELECTRICAL CO., LTD.**

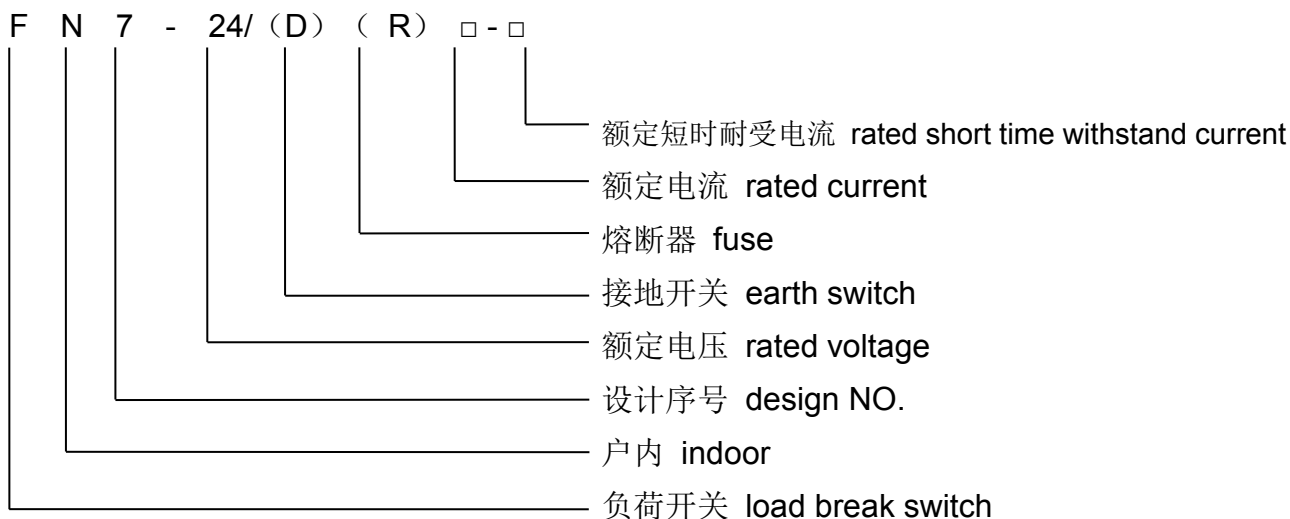
格立特电气有限公司

## 1. 概述 Outline

FN7-24(DR) indoor HV load break switch applies to electric system with 24kV rated voltage and three-phase AC 50/60Hz, for connecting and breaking load current and short circuit current.

FN7-24(DR) 户内高压负荷开关适用于额定电压 24kV,三相交流 50/60Hz 的电力系统,作为接通和开断负荷电流和短路电流之用。

## 2. 型号含义 Type Description



## 3. 使用环境条件 Use Conditions

A. 海拔不超过 1000m。

Altitude:  $\leq 1000\text{m}$ .

B. 周围空气温度上限 $+40^{\circ}\text{C}$ , 下限 $-25^{\circ}\text{C}$ 。

Ambient temperature:  $-25^{\circ}\text{C} \sim +40^{\circ}\text{C}$ .

C. 相对湿度: 日平均值不大于 95%, 月平均值不大于 90%。

Relative humidity: daily average  $\leq 95\%$ , monthly average  $\leq 90\%$ .

D. 无经常性的剧烈振动。

No frequent serious vibration.

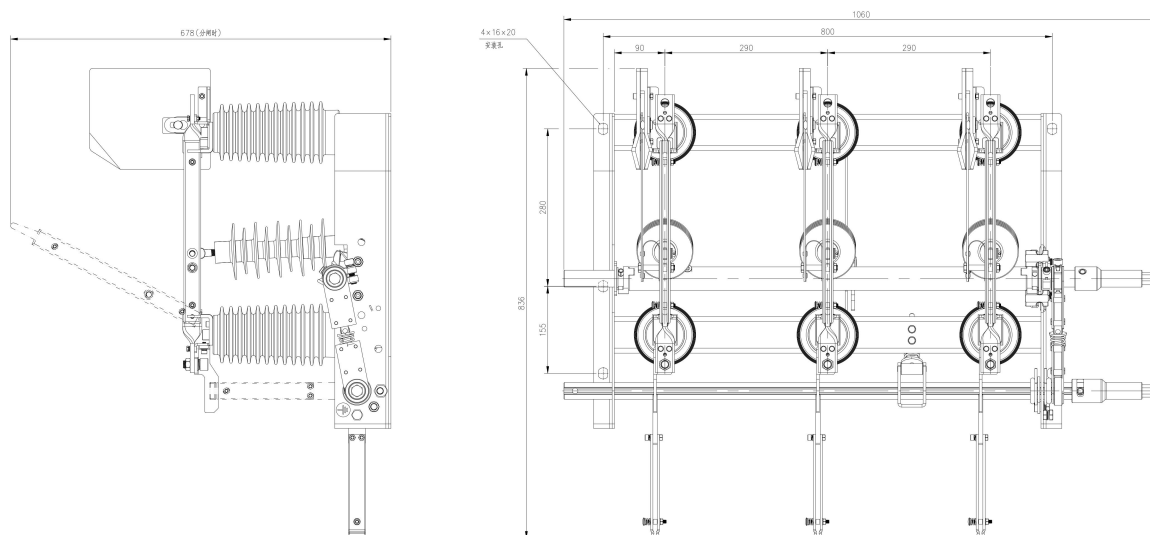
## 4. 主要技术参数 Main Parameters

序号 NO.	名称 Items	单位 Unit	参数值 Value
1	额定电压 rated voltage	kV	24
2	额定频率 rated frequency	Hz	50/60
3	额定电流 rated current	A	400, 630, 1250
4	额定有功负载开断电流 rated active load breaking current	A	400, 630, 1250
5	额定闭环开断电流 Rated closed loop breaking current	A	400, 630, 1250

6	5%额定有功负载开断电流 5% rated active load breaking current	A	20, 31.5, 62.5
7	额定电缆充电开断电流 rated cable charging breaking current	A	10
8	1min 工频耐受电压: 相间、相对地/断口 1min power frequency withstand voltage: phase-to-phase, phase to earth/ fracture	kV	50/60
9	雷电冲击耐受电压: 相间、相对地/隔离断口 lightning impulse withstand voltage: phase-to-phase, phase to earth/ disconnecting fracture	kV	125/145
10	额定短时耐受电流 (热稳定) rated short time withstand current (thermal stability)	kA	16, 20, 25
11	额定短路持续时间 rated short circuit duration	s	1
12	额定峰值耐受电流 (动稳定) rated peak withstand current	kA	40, 50, 63
13	额定短路关合电流 rated short circuit making current	kA	40, 50, 63
14	机械寿命 mechanical life	次 times	2000

## 5. 外形尺寸图 Overall Drawing

FN7-24D



# FN7-24R

