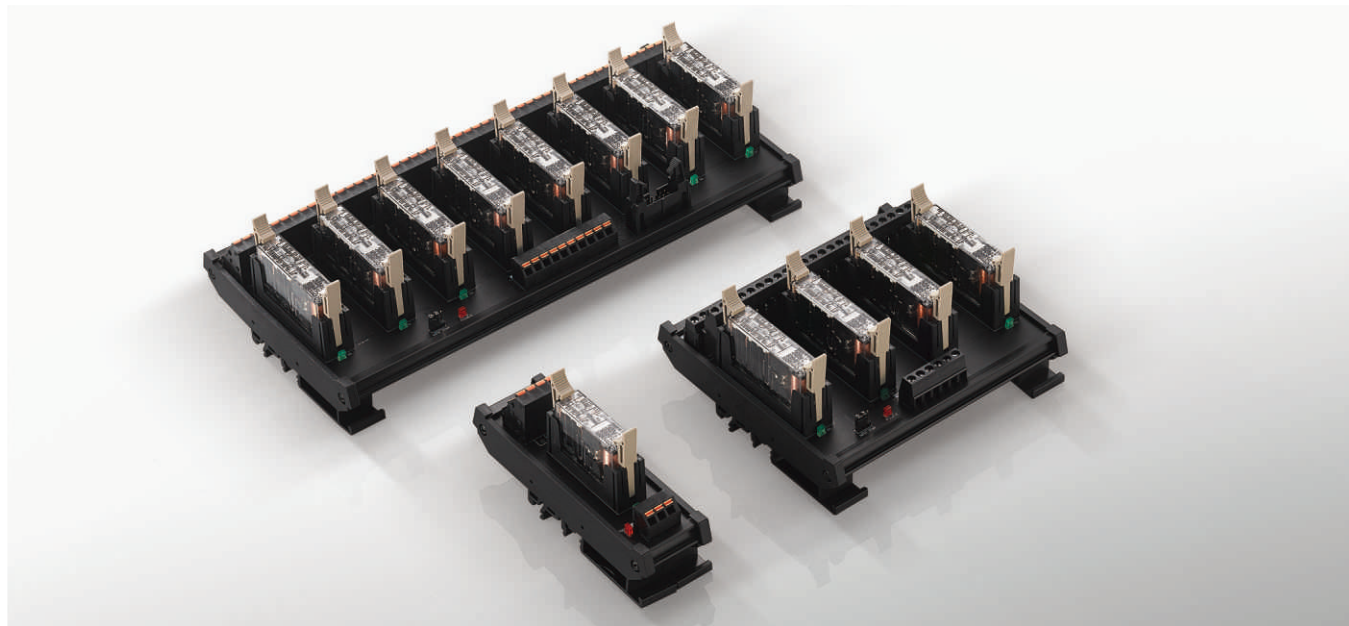


# HHN-RQ

## Safety Relay Module 安全继电器模块



### 产品特点 FEATURES

- 带强制导向接点继电器(获得EN/IEC 61819-3 VDE认证)
- 构成互锁回路, 可回避机械的危险状态
- 输入输出采用欧式端子或弹片式面螺丝端子
- NPN/PNP双极性兼容
- 带有指示灯工作状态指示
- Relay with forced guided contact (obtained EN/IEC 61819-3 VDE certification)
- Form an interlocking circuit to avoid the dangerous state of the machine
- Input and output adopt European terminal or shrapnel type face screw terminal
- NPN/PNP bipolar compatible
- Work status indication with indicator light

安全继电器 Safety Relay

HHN-RQ系列安全继电器模块底座  
HHN-RQ Safety Relay Module Holder

### 连接器 CONNECTOR

• 剥线长度 Strip length	6mm
• 扭矩 Torque	0.4Nm/(3.54Lb-in)
• 输入端子类型 Input terminal type	欧式接线端子、弹片式直插端子
• 输出端子类型 Output terminal type	MIL 连接器
• 输入端子线径 Input wire diameter	0.2-2.5mm /26-14AWG
• 输出端子线径 Output wire diameter	0.2-2.5mm /26-14AWG
工作温度 WORKING TEMPERATURE	-10~55°C
存储温度 STORAGE TEMPERATURE	-40~70°C



### 规格参数 SPECIFICATIONS

#### 输入线圈参数 INPUT COIL PARAMETERS

• 驱动方式 Driving mode	NPN/PNP 兼容Compatible					
• 额定电压 Rated voltage	DC12V	DC18V	DC21V	DC24V	DC48V	DC110V
• 4极额定电流(mA) 4-pole rated current	30	20	17.1	15	7.5	3.8
• 4极功耗(mW) 4-pole power consumption	约360					约420
• 6极额定电流(mA) 6-pole rated current	41.7	27.8	23.8	20.8	10.4	5.3
• 6极功耗(mW) 6-pole power consumption	约500					约580
• 动作电压 Action voltage	相对额定电压75%上下		75% of rated voltage			
• 释放电压 Release voltage	相对额定电压10%上下		10% of rated voltage			
• 动作时间 Action time	≤20ms					
• 释放时间 Release time	≤10ms					

#### 输出触点参数 OUTPUT CONTACT PARAMETERS

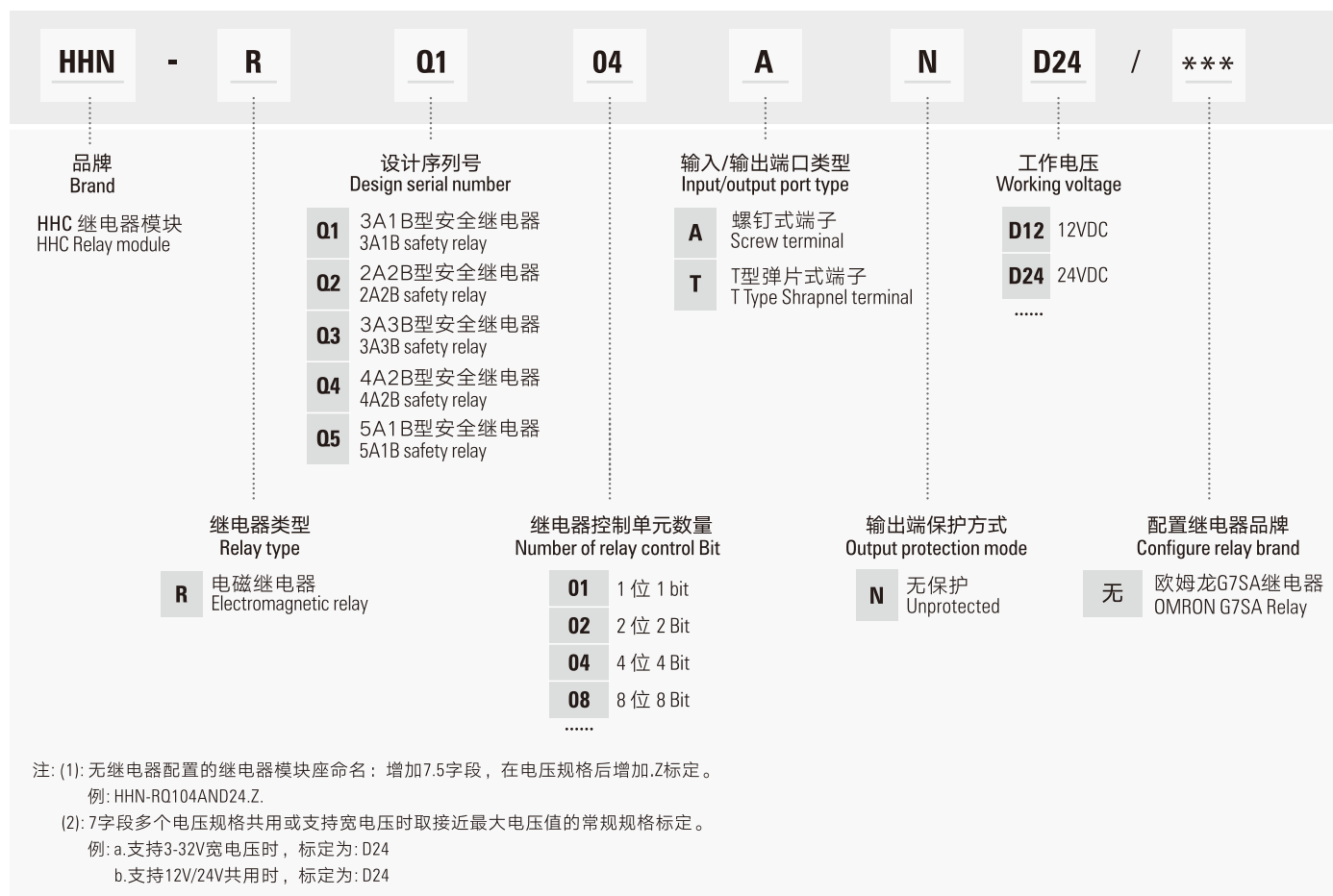
• 阻性负载 Resistive load	AC250V 6A DC30V 6A
• 感性负载 开关性能 Inductive load Switch performance	AC15V AC240V 2A DC13V DC24V 1A DC48V 0.5A DC110V 0.2A
• 电气寿命 Electrical life	10万次以上(额定负载)
• 机械寿命 Mechanical life	1000万次以上
• 最大开关频率 Max.frequency	机械36000次/h 额定负载1800次/h
• 触点材料 Contact material	银合金Silver alloy
• 接触电阻 Contact resistance	≤ 100mΩ

# HHN-RQ

Safety Relay Module  
安全继电器模块

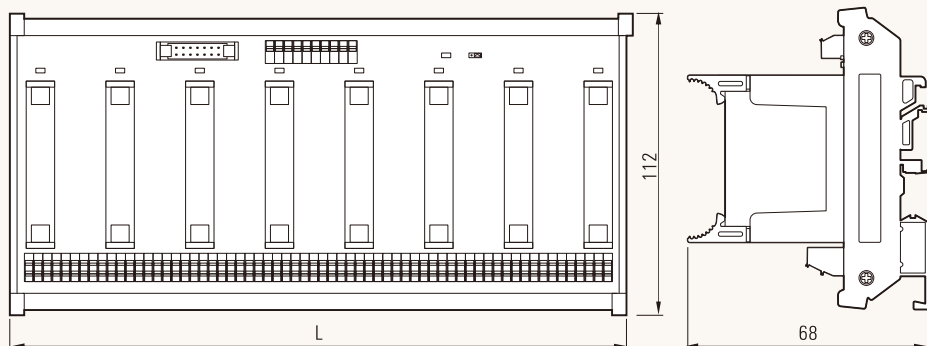


## 型号解析 MODEL ANALYSIS



## 配线图及外形图 WIRING DIAGRAM AND DIMENSIONS

外形尺寸图 Dimensions



型号 Model	位数 Bit	L
HHN-RQ101□ND24	1	35
HHN-RQ201□ND24	1	35
HHN-RQ102□ND24	2	72
HHN-RQ202□ND24	2	72
HHN-RQ104□ND24	4	95
HHN-RQ204□ND24	4	95
HHN-RQ108□ND24	8	175
HHN-RQ208□ND24	8	175
HHN-RQ301□ND24	1	35
HHN-RQ401□ND24	1	35
HHN-RQ501□ND24	1	35
HHN-RQ302□ND24	2	72
HHN-RQ402□ND24	2	72
HHN-RQ502□ND24	2	72
HHN-RQ304□ND24	4	132
HHN-RQ404□ND24	4	132
HHN-RQ504□ND24	4	132
HHN-RQ308□ND24	8	252
HHN-RQ408□ND24	8	252
HHN-RQ508□ND24	8	252

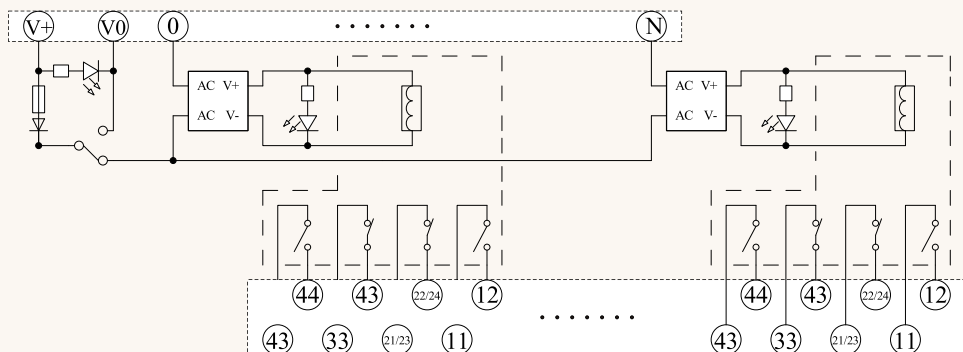
备注: "□" 代表接线方式, 详细请查阅HHN-RQ系列产品型号解析。  
Note: "□": wiring method, please refer to the HHN-RQ series product model analysis for details.

# HHN-RQ

## Safety Relay Module 安全继电器模块

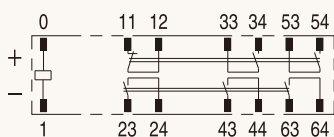
### 配线图 Wiring Diagram

#### HHN-RQ1,2 接线图 Wiring Diagram

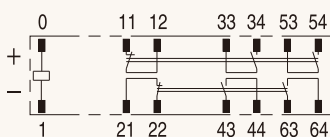


#### 继电器功能对照表 Relay function control table

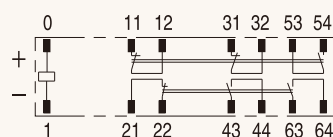
5A1B



4A2B



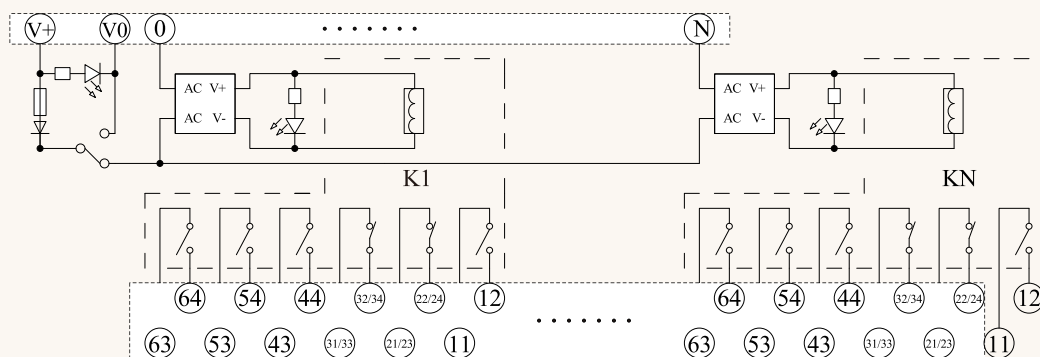
3A3B



注:1. 端子23-24、33-34、43-44、53-54和63-64为常开。端子11-12、21-22和31-32为常闭。

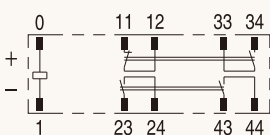
2. 继电器内部卡的颜色如下: 5A1B: 蓝, 4A2B: 白, 3A3B: 黄。

#### HHN-RQ3,4,5 接线图 Wiring Diagram

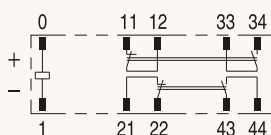


#### 继电器功能对照表 Relay function control table

3A1B



2A2B



注:1. 端子23-24、33-34和43-44为常开。端子11-12和21-22为常闭。

2. 继电器内部卡的颜色如下: 3A1B: 蓝, G7SA-2A2B: 白