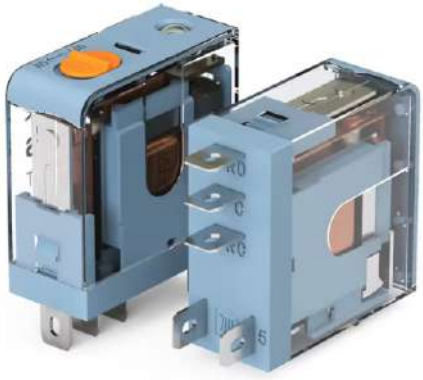
Ky-ele®

窄型ES系列

CE

RoHS

IEC:61984



特 性
Product features

- 高电耐久性
  High electrical durability
- 一组转换触点形式
  A set of conversion contact forms
- 防尘罩型封装形式
  Dust cover type package
- 备有插座可供选择
  Sockets are available
- 带测试按钮规格
  With test button speciPcations

触点参数Contact Parameters

触点形式Contact Form	1NO1NC
接触电阻Contact Resistance	≤50mΩ
触点材料Contact material	详见订货标记See Order Mark For Details
触点负载(阻性)Contact load (resistive)	12A 220VAC/24VDC
最大切换电压Maximum Switching Voltage	250VAC/30VDC
最大切换电流Maximum Switching Current	12A
最大切换功率Maximum Switching Power	3000VA/360W
机械寿命Mechanical Life	$\geq 2\times10^7$
电气寿命Electrical Life	高温(1s通1s断)：≥20万次（1800 0ps/h）（参考GB/T14048.5）
	常温(1s通1s断)：≥30万次（600 0ps/h）（参考GB/T14048.5）

性能参数Performance Parameters

绝缘电阻Insulation Resistance		≥500mΩ
抗电强度 Electrical Strength	线圈与触点间Between coil and contact	5000VAC 50Hz 1Min
	断开的触点间Between disconnected contacts	3000VAC 50Hz 1Min
	触点组之间Between contact groups	1000VAC 50Hz 1Min
吸合时间Absorption Time		≤20ms
释放时间Release Time		≤10ms
线圈温升The Coil Temperature Rises		≤85K
高低温冲击实验High And Low Temperature Impact Experiment		-45℃~+85℃，85%RH。40min/循环，50个循环，接触电阻≤200mΩ，按压力变化值≤30%，LED正常
耐震性Shock Resistance		XYZ三向，60Hz，振幅2mm,10小时(每2小时观察)
工作环境湿度Working Environment Humidity		35~85%
工作环境温度Operating Ambient Temperature		-40~+70℃，非真空状态下，不结冰情况下
引出端形式Lead-out Form		插入式Plug-in
重量Weight		DC24V：32.9g；AC220V：30.9g
封装方式Encapsulation Method		防尘罩型Dust Cover Type

备注：上书值均为初始值。
Note: The values in the above book are all initial values.

线圈参数Coil Parameters

额定线圈功率Rated Coil Power	DC：约0.4W AC：约1.6VA

线圈规格表Coil SpeciÞcation Sheet 23℃

额定电压 Rated Voltage VDC	动作电压 Operating Voltage VDC	释放电压 Release The Voltage VDC	最大电压 Maximum Voltage VDC	线圈电阻 Coil Resistance Ω
6	≤4.5	≥0.60	6.6	40
12	≤9.0	≥1.20	13.2	160
24	≤18	≥2.40	26.4	640
48	≤36	≥4.80	52.8	2600
110	≤82.5	≥11.0	121	13450
220	≤165	≥22.0	242	42000

额定电压 Rated Voltage VAC	动作电压 Operating Voltage VAC	释放电压 Release The Voltage VAC	最大电压 Maximum Voltage VAC	线圈电阻 Coil Resistance Ω
6	≤4.8	≥1.80	6.6	12
12	≤9.6	≥3.60	13.2	45
24	≤19.2	≥7.20	26.4	180
48	≤38.4	≥14.4	52.8	700
110	≤88.0	≥33.0	121	3750
220	≤176	≥66.0	242	14500
380	≤304	≥114	418	42000

备注：1、常温下，让计继电器正常动作时，需要在继电器的线圈脚施加电压的最小值不得低于额定电压值得80%，但为了达到规定的产品性能，使用时请对线圈施加额定电压。
2、最大电压是指继电器线圈在短时间内能承受的最大电压值

Remarks: 1. At room temperature, when the meter relay is in normal operation, the minimum value of the voltage that needs to be applied to the coil foot of the relay shall not be lower than 80% of the rated voltage, but in order to achieve the speciÞed product performance, please apply the rated voltage to the coil when using.
2. The maximum voltage refers to the maximum voltage value that the relay coil can withstand in a short period of time

订货标记示例 Example Of Order Mark

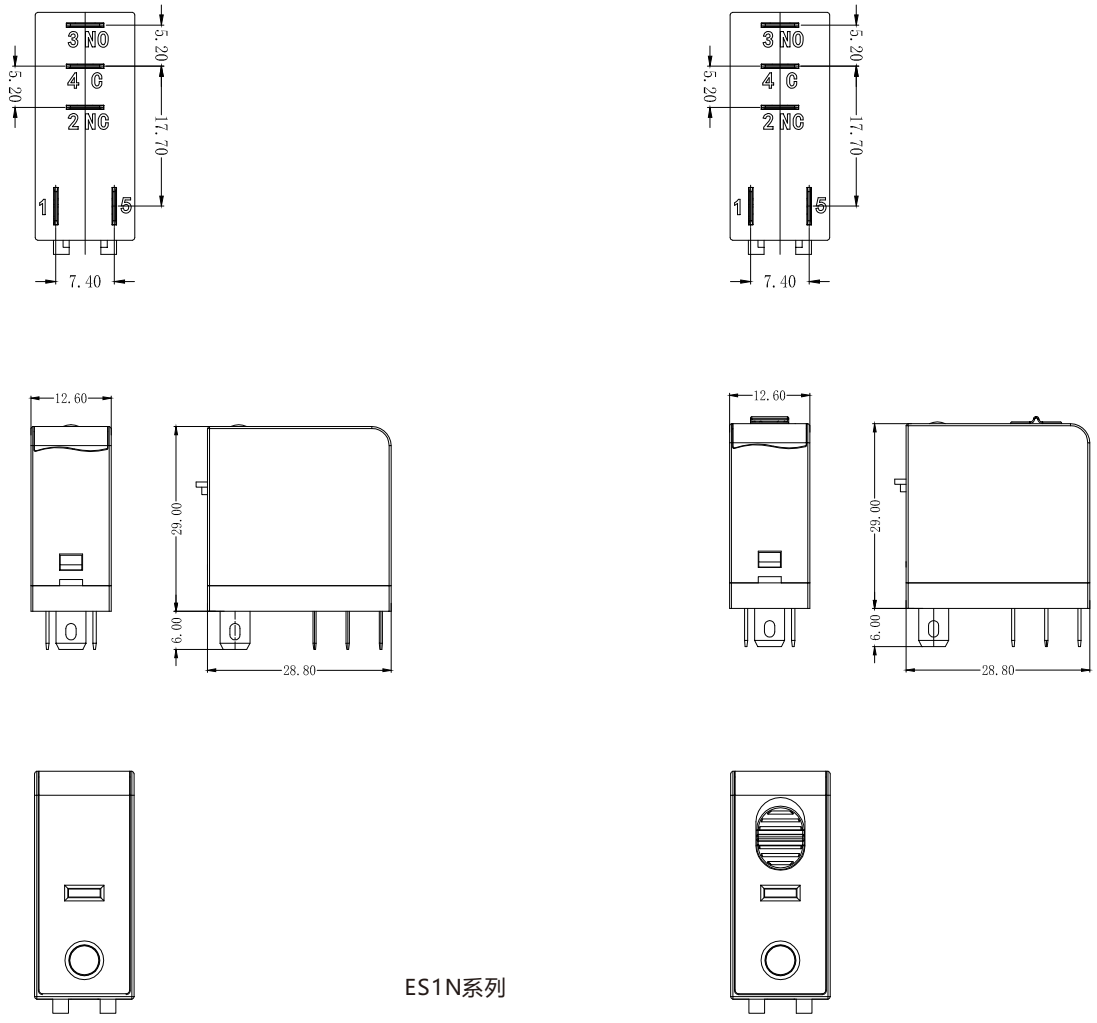
ES 1N - D24 L T

继电器系列 Relay Series		
触点形式 Contact Form	一组转换	1NO1NC
线圈电压CoilVoltage	D：直流DC	A：交流AC
L：LED灯 LED lights	无：不带LED灯 Without LED light	
T：测试按钮 Test button	无：不带测试按钮 Without a test button	

备注：1、客户特殊要求由我司评审后，按特性号的形式标识。

Remarks: 1. After the customer's special requirements are reviewed by our company, they are identiÞed in the form of a feature number.

外形图Outline Drawing(mm)

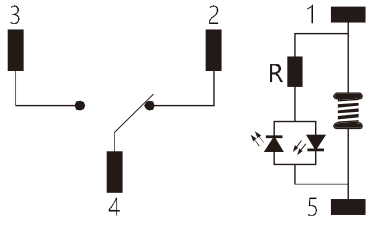


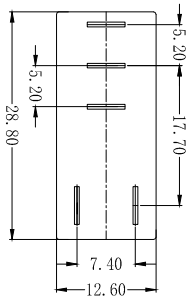
ES1N系列

备注：产品部分外形尺寸未注尺寸公差，当外形尺寸≤1mm，公差为±0.2mm；当外形尺寸在(1~5)mm之间，公差为±0.3mm；当外形尺寸＞5mm，公差为±0.4mm。

Remarks: Note: The external dimension of the product part is not marked with the dimensional tolerance, when the external dimension is ≤1mm, the tolerance is ±0.2mm; When the overall dimension is between (1~5)mm, the tolerance is ±0.3mm; When the overall dimension > 5mm, the tolerance is ±0.4mm.

接线图Wiring Diagram





PCB印刷版式(安装孔位)
Top View

Ky-ele®

窄型S系列

CE

RoHS

IEC:61984

特 性
Product features

- 高电耐久性
  High electrical durability
- 一组转换触点形式
  A set of conversion contact forms
- 防尘罩型封装形式
  Dust cover type package
- 备有插座可供选择
  Sockets are available

触点参数Contact Parameters

触点形式Contact Form	1NO1NC
接触电阻Contact Resistance	≤50mΩ
触点材料Contact material	详见订货标记See Order Mark For Details
触点负载(阻性)Contact load (resistive)	12A 220VAC/24VDC
最大切换电压Maximum Switching Voltage	250VAC/30VDC
最大切换电流Maximum Switching Current	12A
最大切换功率Maximum Switching Power	3000VA/360W
机械寿命Mechanical Life	$\geq 2\times10^7$
电气寿命Electrical Life	室温下，5A 250VAC/30VDC(1s通9s断)：$\geq 40\times10^4$
	70℃时，5A 250VAC/30VDC(1s通9s断)：$\geq 20\times10^4$
	室温下，7A 250VAC/30VDC(1s通9s断)：$\geq 10\times10^4$
	70℃时，7A 250VAC/30VDC(1s通9s断)：$\geq 5\times10^4$
	室温下，12A 250VAC/30VDC(1s通9s断)：$\geq 5\times10^4$
	70℃时，12A 250VAC/30VDC(1s通9s断)：$\geq 3\times10^4$

性能参数Performance Parameters

绝缘电阻Insulation Resistance		≥500mΩ
抗电强度 Electrical Strength	线圈与触点间Between coil and contact	5000VAC 50Hz 1Min
	断开的触点间Between disconnected contacts	3000VAC 50Hz 1Min
	触点组之间Between contact groups	1000VAC 50Hz 1Min
吸合时间Absorption Time		≤20ms
释放时间Release Time		≤10ms
线圈温升The Coil Temperature Rises		≤85K
高低温冲击实验High And Low Temperature Impact Experiment		-45℃~+85℃，85%RH。40min/循环，50个循环，接触电阻≤200mΩ，按压力变化值≤30%，LED正常
耐震性Shock Resistance		XYZ三向，60Hz，振幅2mm,10小时(每2小时观察)
工作环境湿度Working Environment Humidity		35~85%
工作环境温度Operating Ambient Temperature		-40~+70℃，非真空状态下，不结冰情况下
引出端形式Lead-out Form		插入式Plug-in
重量Weight		DC24V：32.9g；AC220V：30.9g
封装方式Encapsulation Method		防尘罩型Dust Cover Type

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线圈参数Coil Parameters

额定线圈功率Rated Coil Power	DC：约0.53W AC：约0.9VA

线圈规格表Coil SpeciÞcation Sheet

23℃

额定电压 Rated Voltage VDC	动作电压 Operating Voltage VDC	释放电压 Release The Voltage VDC	最大电压 Maximum Voltage VDC	线圈电阻 Coil Resistance Ω
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48	≤36	≥4.80	52.8	2600
100/110	≤82.5	≥11.0	121	13450
220	≤165	≥22.0	242	42000

额定电压 Rated Voltage VAC	动作电压 Operating Voltage VAC	释放电压 Release The Voltage VAC	最大电压 Maximum Voltage VAC	线圈电阻 Coil Resistance Ω
6	≤4.8	≥1.80	6.6	12
12	≤9.6	≥3.60	13.2	45
24	≤19.2	≥7.20	26.4	180
48	≤38.4	≥14.4	52.8	700
100/110	≤88.0	≥33.0	121	3750
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2、最大电压是指继电器线圈在短时间内能承受的最大电压值

Remarks: 1. At room temperature, when the meter relay is in normal operation, the minimum value of the voltage that needs to be applied to the coil foot of the relay shall not be lower than 80% of the rated voltage, but in order to achieve the speciÞed product performance, please apply the rated voltage to the coil when using.
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订货标记示例 Example Of Order Mark

RY 1S – CL – D24

企业标识 Enterprise Identity

触点形式 Contact Form　一组转换　1NO1NC

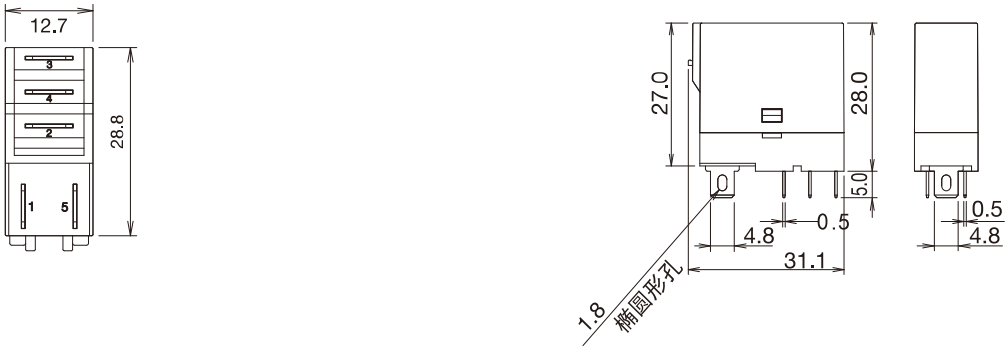
LED

线圈电压CoilVoltage　D：直流DC　A：交流AC

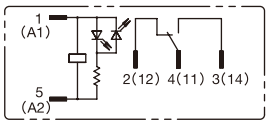
备注：1、客户特殊要求由我司评审后，按特性号的形式标识。

Remarks: 1. After the customer's special requirements are reviewed by our company, they are identiÞed in the form of a feature number.

外形图Outline Drawing(mm)



接线图Wiring Diagram



YTK CO.,LTD.
Http://www.ytk-group.co.jp

Ky-ele®

窄型SSR固态系列

CE

RoHS

IEC:61984

特 性
Product features

- 体积小，驱动功率大，散热优良
  Small size, large driving power, excellent heat dissipation
- 排齿形散热器用铜片扭卡安装，方便牢固
  The toothed radiator is installed with a copper twist card, which is convenient and Prm
- 进口功率元件TRIAC/MOS，性能稳定
  Imported power component TRIAC/MOS, stable performance
- 内部元件全部SMC贴片
  All internal components are SMC patches

控制参数Control parameters

型号选型 Model selection	控制电压(V) Control voltage	控制电流(mA) Control the current	启动电压(V) Start-up voltage	关断电压(V) Shutdown voltage	线圈内阻(KΩ) Coil internal resistance	工作指示(LED) Work instructions
RY1SR-C04-A	3-10V	< 25	2.5	1.5	0.39	红RED
	10-28V		9.5	8.5	2.20	
RY1SR-C07-A	3-10V	< 25	2.5	1.5	0.39	红RED
	10-28V		9.5	8.5	2.20	
RY1SR-M04-D	4-10V	< 50	3.5	2.5	0.18	绿Green
	10-28V		9.5	8.0	0.56	
RY1SR-F12-D	4-10V	< 50	3.5	2.5	0.18	绿Green
	10-28V		9.5	8.0	0.56	

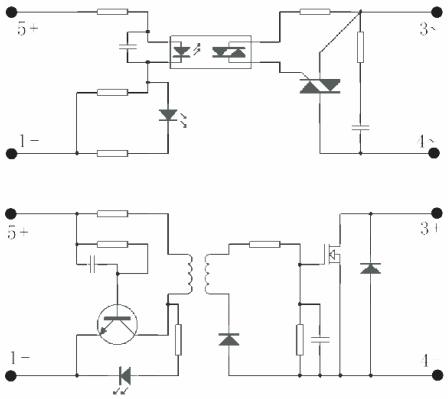
输出参数Output parameters

型号选型 Model selection	输出电压(V) Output voltage	输出电流(A) Output current	通态降压(V) On-state buck	峰值电压(VTM) Peak voltage	浪涌电流(10ms) Inrush current
RY1SR-C04-A	24-440VAC	0.05-4	< 1.5	900V	160A
RY1SR-C07-A	24-440VAC	0.05-7	< 1.5	900V	240A
RY1SR-M04-D	5-200VDC	0.01-4	< 1.5	220V	80A
RY1SR-F12-D	4-60VDC	0.01-12	≤0.7	80V	360A

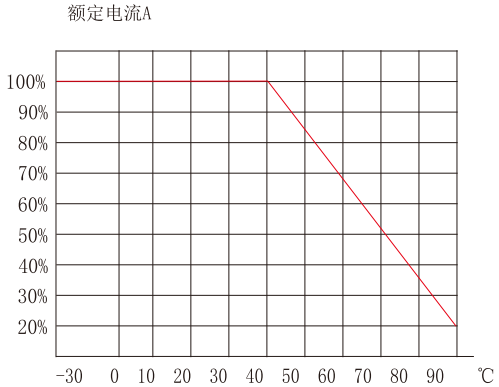
特性参数Attribute parameters

型号选型 Model selection	介质耐压(VAC) The medium is pressure-resistant	通断时间(S) On-off time	工作温度(℃) Operating temperature
RY1SR-C04-A	≥2000	半周期(Half cycle)+1	-30~+80
RY1SR-C07-A	≥2000	半周期(Half cycle)+1	-30~+80
RY1SR-M04-D	≥2000	1mS	-30~+80
RY1SR-F12-D	≥1000	5mS	-30~+80

内部原理图Internal schematic



内部原理图Internal schematic



YTK CO.,LTD.
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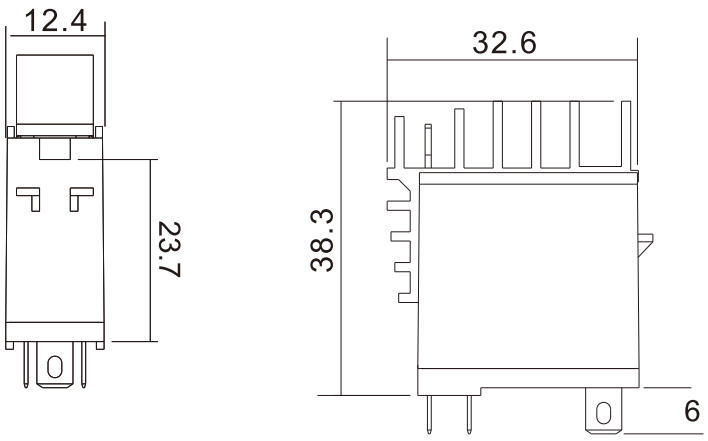
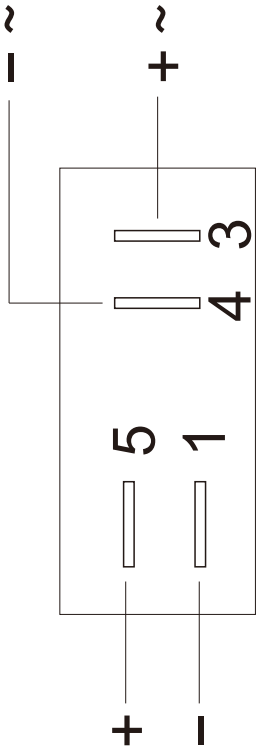
外形图Outline Drawing(mm)



备注：产品部分外形尺寸未注尺寸公差，当外形尺寸≤1mm，公差为±0.2mm；当外形尺寸在(1~5)mm之间，公差为±0.3mm；当外形尺寸＞5mm，公差为±0.4mm。

Remarks: Note: The external dimension of the product part is not marked with the dimensional tolerance, when the external dimension is ≤1mm, the tolerance is ±0.2mm; When the overall dimension is between (1~5)mm, the tolerance is ±0.3mm; When the overall dimension > 5mm, the tolerance is ±0.4mm.

接线图Wiring Diagram



注意事项
输入工作条件:
1.注意工作电压的范围和正负极。
2.为确保固体继电器正常工作，环境温度较低时应加大输入电流。温度较高时应减少输入电流。
3.用集成电路直接驱动SSR时应有足够的带载能力和尽可能底的"O"电平输出。

Notes
Enter working conditions:
1. Pay attention to the range of working voltage and positive and negative poles.
2. In order to ensure the normal operation of the solid relay, the input current should be increased when the ambient temperature is low. When the temperature is high, it should be reducedLess input current.
3. When using integrated circuits to directly drive SSR, there should be sufPcient load capacity and as low as possible "O" level output.

输出工作条件:为确保SSR的可靠工作，按负载类型降额选型及采取必要的保护措施。
1.峰值电压选择:电感负载:取线路电压(有效值)的2-3倍。纯电阻负载:取线路电压(有效值)的1-2倍。
2.压敏电阻的选用:压敏电阻的标称工作电压值按SSR工作电压有效值的1.8-2倍选取。
3.为了避免固体继电器的温升超过允许值，设计应用时应充分考虑散热效果和安装位置，当两只或多只固体继电器并排安装时，应留有适当大的间距。

Output operating conditions:
In order to ensure the reliable operation of SSR, derating selection according to load type and taking necessary protective measures.
1. Peak voltage selection: inductive load: take 2-3 times of the line voltage (rms). Pure resistive load: take the line voltage (Yes1-2 times the potency).
2. Selection of varistor: The nominal working voltage value of the varistor is selected according to 1.8-2 times the rms value of the SSR working voltage.
3. In order to avoid the temperature rise of the solid relay exceeding the allowable value, the heat dissipation effect and installation position should be fully considered when designing and applying When two or more solid relays are installed side by side, an appropriately large spacing should be left

负载降额Load derating

负载类型 Load type	纯电阻 Pure resistance	电热丝 Heating wire	白炽灯 incandescent lamp	变压器 Transformer	电磁铁 Electromagnets	电箱电机 Electric box motor	三相电机 Three-phase motor	电容投切 Capacitor switching
功率因素 Power factor	1.0	0.7	0.5	0.4	0.5	0.2	0.3	浪涌Swell
放大倍数 MagniPcation	1.5	2	2.5	4	4	7	6	10

继电器配套底座Relay Matching Base

IEC:61984

CE RoHS

特 性
Product features

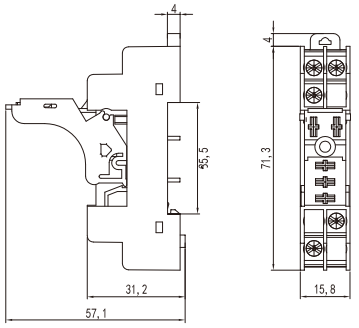
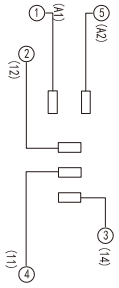
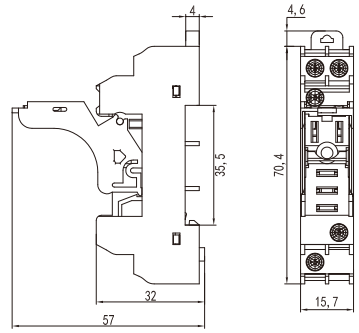
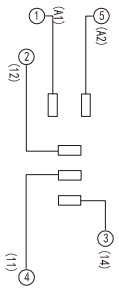
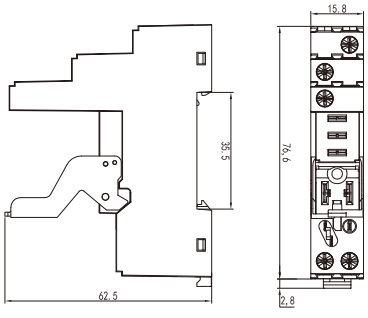
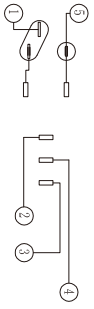
- 体积小，节省空间
  Small size, save space
- 带手指保护功能
  With Þnger protection
- PCB式、螺钉式、导轨式安装形式可供选择
  PCB type, screw type, DIN rail mounting form are available
- 多款插入式模块可供选择，实现通电指示，线路保护功能
  A variety of plug-in modules are available to realize power-on indication and line protection functions
- 可选配件：卡簧、标记牌、插入式模块
  Optional accessories: circlips, marker plates, plug-in modules
- 外壳采用PA66+G20环保阻燃尼龙
  The shell adopts PA66+G20 environmentally friendly ßame retardant nylon

性能参数 Performance Parametersr

型号 Model	额定电压 Rated Voltage	额定电流 Rated Current	环境温度 Ambient Temperature	介质耐压 Dielectric Strength	插拔寿命 Plug-in life	螺钉扭矩 Screw Torque	外接导线 Size Of Wire	插片材料 Insert material	重量 Weight
RY1S-05B	250VAC	12A	-35℃~70℃	2000VAC	10000	0.8-1.0N.m	7mm	磷铜	约32g
RY1S-05E	250VAC	12A	-35℃~70℃	2000VAC	10000	0.8-1.0N.m	7mm	磷铜	约33.45g
14F-1Z-C5	250VAC	12A	-35℃~70℃	2000VAC	10000	0.8-1.0N.m	7mm	磷铜	约37.63g
RY1S-05PU	250VAC	12A	-35℃~70℃	2000VAC	10000	-	-	磷铜	约39.46g
SJ1S-61	250VAC	12A	-35℃~70℃	2000VAC	10000	-	-	磷铜	约55.67g
1S-61-S	250VAC	12A	-35℃~70℃	2000VAC	10000	-	-	磷铜	约63.2g

外形图、接线图，安装孔尺寸 Outline drawing, wiring diagram, mounting hole size

单位：mm

底座 Base	外形尺寸 Form Factor	接线图 Wiring Diagram	可选配件 Optional Accessories
RY1S-05B 			连接条 ES-10-16H(蓝blue) ES-10-16HR(红Red) ES-10-16HB(黑black)
RY1S-05E 			连接条 ES-10-16H(蓝blue) ES-10-16HR(红Red) ES-10-16HB(黑black)
14F-1Z-C5 			

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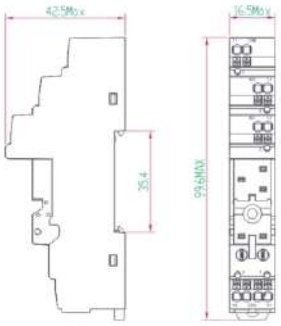
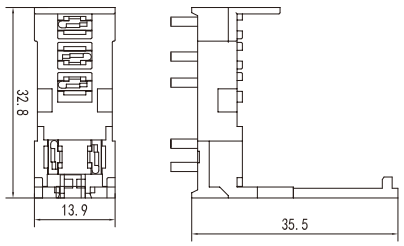
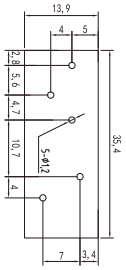
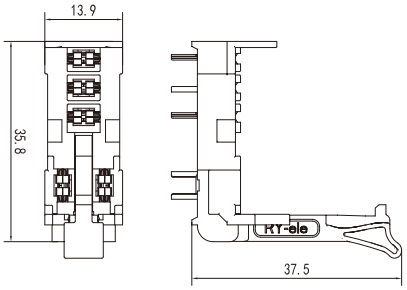
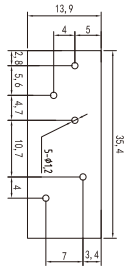
外形图、接线图，安装孔尺寸 Outline drawing, wiring diagram, mounting hole size

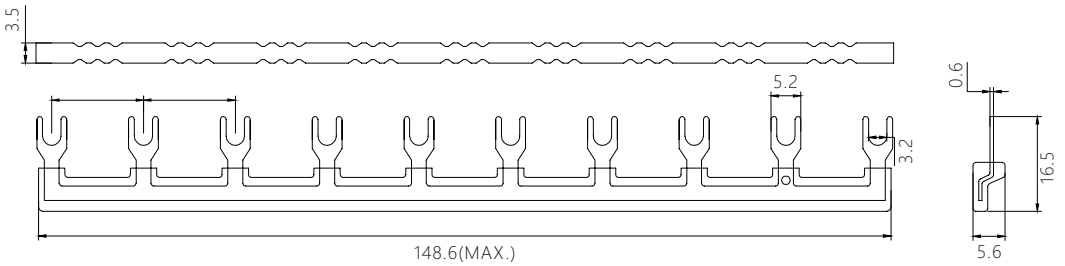
单位：mm

底座 Base	外形尺寸 Form Factor	接线图 Wiring Diagram	可选配件 Optional Accessories
RY1S-05PU 			
SJ1S-61 			
1S-61-S 			

相关配件可选Related accessories are available

单位：mm

连接条Connection Strips



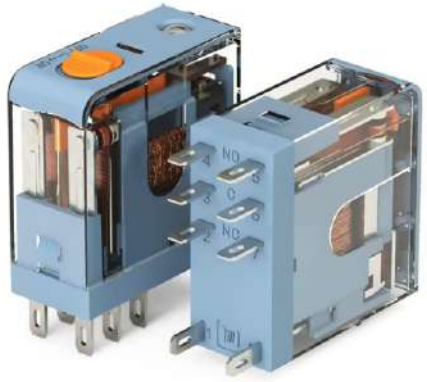
Ky-ele®

窄型ES系列

CE

RoHS

IEC:61984



特 性
Product features

- 高电耐久性
  High electrical durability
- 二组转换触点形式
  Two of conversion contact forms
- 防尘罩型封装形式
  Dust cover type package
- 备有插座可供选择
  Sockets are available
- 带测试按钮规格
  With test button speciPcations

触点参数Contact Parameters

触点形式Contact Form	2NO2NC
接触电阻Contact Resistance	≤50mΩ
触点材料Contact material	详见订货标记See Order Mark For Details
触点负载(阻性)Contact load (resistive)	8A 220VAC/24VDC
最大切换电压Maximum Switching Voltage	250VAC/30VDC
最大切换电流Maximum Switching Current	8A
最大切换功率Maximum Switching Power	3000VA/360W
机械寿命Mechanical Life	≧2×10
电气寿命Electrical Life	高温(1s通1s断)：≥20万次（1800 0ps/h）（参考GB/T14048.5）
	常温(1s通1s断)：≥30万次（600 0ps/h）（参考GB/T14048.5）

性能参数Performance Parameters

绝缘电阻Insulation Resistance		≥500mΩ
抗电强度 Electrical Strength	线圈与触点间Between coil and contact	5000VAC 50Hz 1Min
	断开的触点间Between disconnected contacts	3000VAC 50Hz 1Min
	触点组之间Between contact groups	1000VAC 50Hz 1Min
吸合时间Absorption Time		≤20ms
释放时间Release Time		≤10ms
线圈温升The Coil Temperature Rises		≤85K
高低温冲击实验High And Low Temperature Impact Experiment		-45℃~+85℃，85%RH。40min/循环，50个循环，接触电阻≤200mΩ，按压力变化值≤30%，LED正常
耐震性Shock Resistance		XYZ三向，60Hz，振幅2mm,10小时(每2小时观察)
工作环境湿度Working Environment Humidity		35~85%
工作环境温度Operating Ambient Temperature		-40~+70℃，非真空状态下，不结冰情况下
引出端形式Lead-out Form		插入式Plug-in
重量Weight		DC24V：19.5g；AC220V：19.5g
封装方式Encapsulation Method		防尘罩型Dust Cover Type

备注：上书值均为初始值。
Note: The values in the above book are all initial values.

线圈参数Coil Parameters

额定线圈功率Rated Coil Power	DC：约0.4W AC：约1.6VA

线圈规格表Coil SpeciÞcation Sheet 23℃

额定电压 Rated Voltage VDC	动作电压 Operating Voltage VDC	释放电压 Release The Voltage VDC	最大电压 Maximum Voltage VDC	线圈电阻 Coil Resistance Ω
6	≤4.5	≥0.60	6.6	40
12	≤9.0	≥1.20	13.2	160
24	≤18	≥2.40	26.4	640
48	≤36	≥4.80	52.8	2600
110	≤82.5	≥11.0	121	13450
220	≤165	≥22.0	242	42000

额定电压 Rated Voltage VAC	动作电压 Operating Voltage VAC	释放电压 Release The Voltage VAC	最大电压 Maximum Voltage VAC	线圈电阻 Coil Resistance Ω
6	≤4.8	≥1.80	6.6	12
12	≤9.6	≥3.60	13.2	45
24	≤19.2	≥7.20	26.4	180
48	≤38.4	≥14.4	52.8	700
110	≤88.0	≥33.0	121	3750
220	≤176	≥66.0	242	14500
380	≤304	≥114	418	42000

备注：1、常温下，让计继电器正常动作时，需要在继电器的线圈脚施加电压的最小值不得低于额定电压值得80%，但为了达到规定的产品性能，使用时请对线圈施加额定电压。
2、最大电压是指继电器线圈在短时间内能承受的最大电压值

Remarks: 1. At room temperature, when the meter relay is in normal operation, the minimum value of the voltage that needs to be applied to the coil foot of the relay shall not be lower than 80% of the rated voltage, but in order to achieve the speciÞed product performance, please apply the rated voltage to the coil when using.
2. The maximum voltage refers to the maximum voltage value that the relay coil can withstand in a short period of time

订货标记示例 Example Of Order Mark

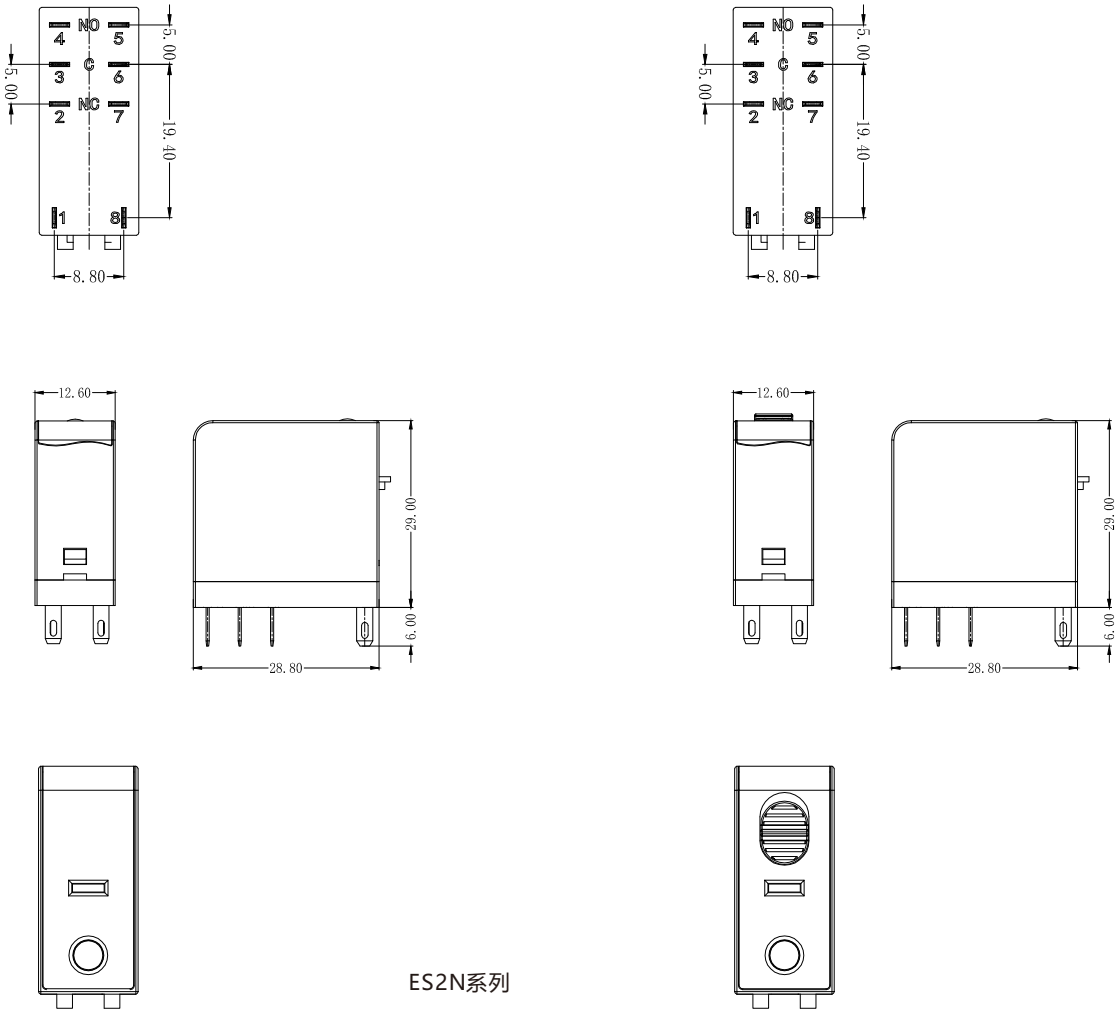
ES 2N - D24 L T

继电器系列 Relay Series	
触点形式 Contact Form	二组转换 2NO2NC
线圈电压CoilVoltage	D：直流DC A：交流AC
L：LED灯 LED lights	无：不带LED灯 Without LED light
T：测试按钮 Test button	无：不带测试按钮 Without a test button

备注：1、客户特殊要求由我司评审后，按特性号的形式标识。

Remarks: 1. After the customer's special requirements are reviewed by our company, they are identiÞed in the form of a feature number.

外形图Outline Drawing(mm)

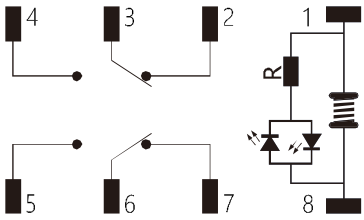


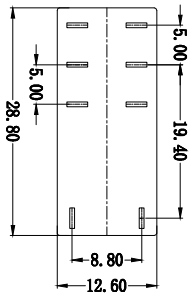
ES2N系列

备注：产品部分外形尺寸未注尺寸公差，当外形尺寸≤1mm，公差为±0.2mm；当外形尺寸在(1~5)mm之间，公差为±0.3mm；当外形尺寸＞5mm，公差为±0.4mm。

Remarks: Note: The external dimension of the product part is not marked with the dimensional tolerance, when the external dimension is ≤1mm, the tolerance is ±0.2mm; When the overall dimension is between (1~5)mm, the tolerance is ±0.3mm; When the overall dimension > 5mm, the tolerance is ±0.4mm.

接线图Wiring Diagram





PCB印刷版式(安装孔位)
Top View

Ry-ele®

窄型S系列

CE

RoHS

IEC:61984

特 性
Product features

- 高电耐久性
  High electrical durability
- 二组转换触点形式
  Two of conversion contact forms
- 防尘罩型封装形式
  Dust cover type package
- 备有插座可供选择
  Sockets are available

触点参数Contact Parameters

触点形式Contact Form	2NO2NC
接触电阻Contact Resistance	≤50mΩ
触点材料Contact material	详见订货标记See Order Mark For Details
触点负载(阻性)Contact load (resistive)	8A 220VAC/24VDC
最大切换电压Maximum Switching Voltage	250VAC/30VDC
最大切换电流Maximum Switching Current	8A
最大切换功率Maximum Switching Power	3000VA/360W
机械寿命Mechanical Life	$\geq 2\times10^7$
电气寿命Electrical Life	室温下，5A 250VAC/30VDC(1s通9s断)：$\geq 40\times10^4$
	70℃时，5A 250VAC/30VDC(1s通9s断)：$\geq 20\times10^4$
	室温下，7A 250VAC/30VDC(1s通9s断)：$\geq 10\times10^4$
	70℃时，7A 250VAC/30VDC(1s通9s断)：$\geq 5\times10^4$
	室温下，12A 250VAC/30VDC(1s通9s断)：$\geq 5\times10^4$
	70℃时，12A 250VAC/30VDC(1s通9s断)：$\geq 3\times10^4$

性能参数Performance Parameters

绝缘电阻Insulation Resistance		≥500mΩ
抗电强度 Electrical Strength	线圈与触点间Between coil and contact	5000VAC 50Hz 1Min
	断开的触点间Between disconnected contacts	3000VAC 50Hz 1Min
	触点组之间Between contact groups	1000VAC 50Hz 1Min
吸合时间Absorption Time		≤20ms
释放时间Release Time		≤10ms
线圈温升The Coil Temperature Rises		≤85K
高低温冲击实验High And Low Temperature Impact Experiment		-45℃~+85℃，85%RH。40min/循环，50个循环，接触电阻≤200mΩ，按压力变化值≤30%，LED正常
耐震性Shock Resistance		XYZ三向，60Hz，振幅2mm,10小时(每2小时观察)
工作环境湿度Working Environment Humidity		35~85%
工作环境温度Operating Ambient Temperature		-40~+70℃，非真空状态下，不结冰情况下
引出端形式Lead-out Form		插入式Plug-in
重量Weight		DC24V：32.9g；AC220V：30.9g
封装方式Encapsulation Method		防尘罩型Dust Cover Type

备注：上书值均为初始值。
Note: The values in the above book are all initial values.

线圈参数Coil Parameters

额定线圈功率Rated Coil Power	DC：约0.53W AC：约0.9VA

线圈规格表Coil SpeciÞcation Sheet

23℃

额定电压 Rated Voltage VDC	动作电压 Operating Voltage VDC	释放电压 Release The Voltage VDC	最大电压 Maximum Voltage VDC	线圈电阻 Coil Resistance Ω
6	≤4.5	≥0.60	6.6	40
12	≤9.0	≥1.20	13.2	160
24	≤18	≥2.40	26.4	640
48	≤36	≥4.80	52.8	2600
100/110	≤82.5	≥11.0	121	13450
220	≤165	≥22.0	242	42000

额定电压 Rated Voltage VAC	动作电压 Operating Voltage VAC	释放电压 Release The Voltage VAC	最大电压 Maximum Voltage VAC	线圈电阻 Coil Resistance Ω
6	≤4.8	≥1.80	6.6	12
12	≤9.6	≥3.60	13.2	45
24	≤19.2	≥7.20	26.4	180
48	≤38.4	≥14.4	52.8	700
100/110	≤88.0	≥33.0	121	3750
220	≤176	≥66.0	242	14500
380	≤304	≥114	418	42000

备注：1、常温下，让计继电器正常动作时，需要在继电器的线圈脚施加电压的最小值不得低于额定电压值得80%，但为了达到规定的产品性能，使用时请对线圈施加额定电压。
2、最大电压是指继电器线圈在短时间内能承受的最大电压值

Remarks: 1. At room temperature, when the meter relay is in normal operation, the minimum value of the voltage that needs to be applied to the coil foot of the relay shall not be lower than 80% of the rated voltage, but in order to achieve the speciÞed product performance, please apply the rated voltage to the coil when using.
2. The maximum voltage refers to the maximum voltage value that the relay coil can withstand in a short period of time

订货标记示例 Example Of Order Mark

RY 2S – CL – D24

企业标识 Enterprise Identity

触点形式 Contact Form　　二组转换　2NO2NC

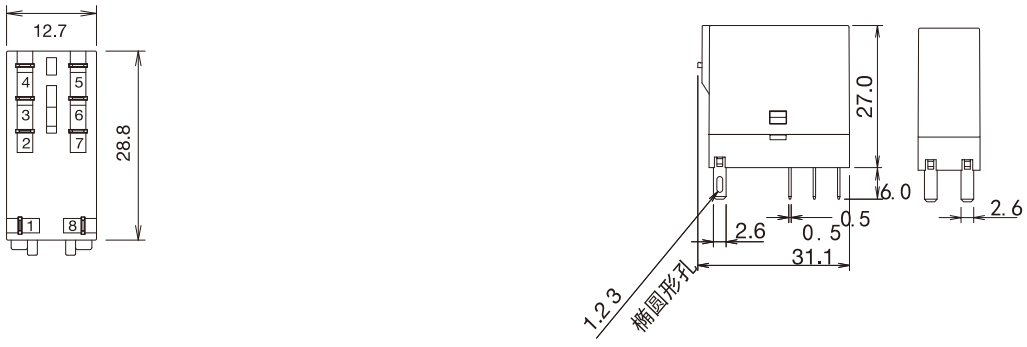
LED

线圈电压CoilVoltage　　D：直流DC　A：交流AC

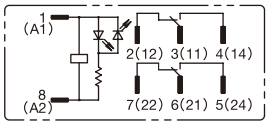
备注：1、客户特殊要求由我司评审后，按特性号的形式标识。

Remarks: 1. After the customer's special requirements are reviewed by our company, they are identiÞed in the form of a feature number.

外形图Outline Drawing(mm)



接线图Wiring Diagram



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继电器配套底座Relay Matching Base

IEC:61984

CE RoHS

特 性
Product features

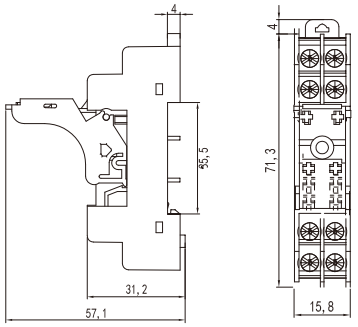
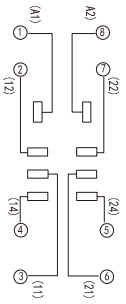
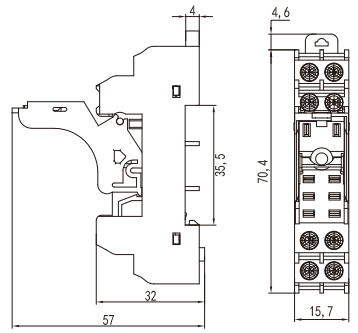
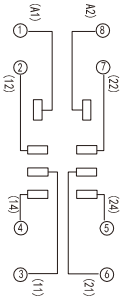
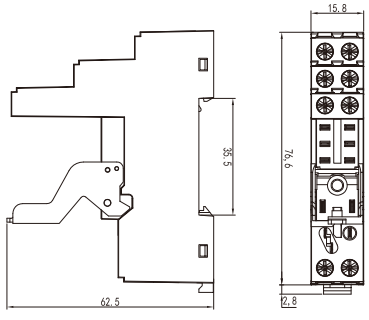
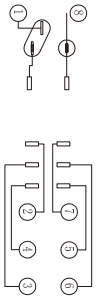
- 体积小，节省空间
  Small size, save space
- 带手指保护功能
  With Þnger protection
- PCB式、螺钉式、导轨式安装形式可供选择
  PCB type, screw type, DIN rail mounting form are available
- 多款插入式模块可供选择，实现通电指示，线路保护功能
  A variety of plug-in modules are available to realize power-on indication and line protection functions
- 可选配件：卡簧、标记牌、插入式模块
  Optional accessories: circlips, marker plates, plug-in modules
- 外壳采用PA66+G20环保阻燃尼龙
  The shell adopts PA66+G20 environmentally friendly ßame retardant nylon

性能参数 Performance Parametersr

型号 Model	额定电压 Rated Voltage	额定电流 Rated Current	环境温度 Ambient Temperature	介质耐压 Dielectric Strength	插拔寿命 Plug-in life	螺钉扭矩 Screw Torque	外接导线 Size Of Wire	插片材料 Insert material	重量 Weight
RY2S-05B	250VAC	8A	-35℃~70℃	2000VAC	10000	0.8-1.0N.m	7mm	磷铜	约29.7g
RY2S-08E	250VAC	8A	-35℃~70℃	2000VAC	10000	0.8-1.0N.m	7mm	磷铜	约28.38g
14F-2Z-C5	250VAC	8A	-35℃~70℃	2000VAC	10000	0.8-1.0N.m	7mm	磷铜	约46.42g
RY2S-05PU	250VAC	8A	-35℃~70℃	2000VAC	10000	-	-	磷铜	约41.01g
SJ2S-61	250VAC	8A	-35℃~70℃	2000VAC	10000	-	-	磷铜	约4.07g
2S-61-S	250VAC	8A	-35℃~70℃	2000VAC	10000	-	-	磷铜	约4.72g

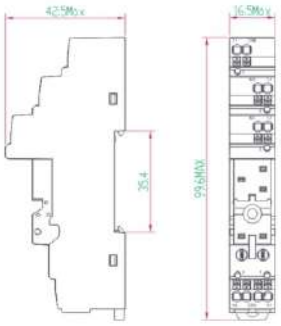
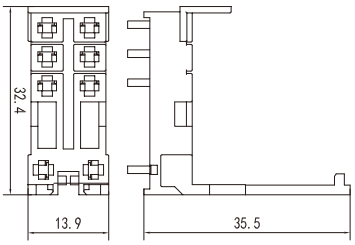
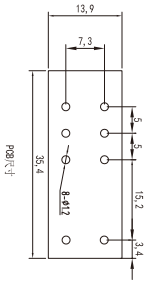
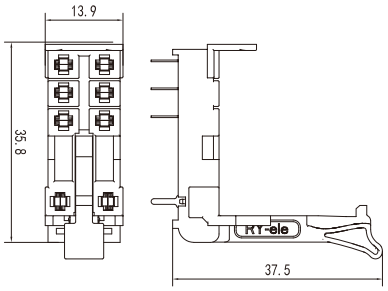
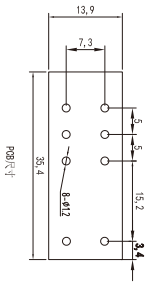
外形图、接线图，安装孔尺寸 Outline drawing, wiring diagram, mounting hole size

单位：mm

底座 Base	外形尺寸 Form Factor	接线图 Wiring Diagram	可选配件 Optional Accessories
RY2S-05B 			连接条 ES-10-16H(蓝blue) ES-10-16HR(红Red) ES-10-16HB(黑black)
RY2S-08E 			连接条 ES-10-16H(蓝blue) ES-10-16HR(红Red) ES-10-16HB(黑black)
14F-2Z-C5 			

外形图、接线图，安装孔尺寸 Outline drawing, wiring diagram, mounting hole size

单位：mm

底座 Base	外形尺寸 Form Factor	接线图 Wiring Diagram	可选配件 Optional Accessories
RY2S-05PU 			
SJ2S-61 			
2S-61-S 			

相关配件可选Related accessories are available

单位：mm

连接条Connection Strips