

YL315

特点 PRODUCT FEATURES

- 小型汽车继电器，多种安装方式供选择。
- 40A触点切换能力。
- 可选择防尘型与密封型。
- 具有一组常开，一组转换触点形式。
- 可并联电阻或二极管供选择。

典型应用 TYPICAL APPLICATIONS

- 电动转向系统、电能管理
- ABS控制系统、鼓风机
- 汽车报警器、冷却风扇
- 发动机控制系统、燃油泵
- 受热型前窗玻璃、主开关/电源继电器
- 气门、雨刮器控制系统
- 车灯：车前灯、车后灯、雾灯



触点负载 CONTACT DATA

| 型号 Model | YL315 | |
|------------------------------|---|---|
| 额定负载(阻性) Rated load | 标准型 NO/NC : 30A/20A 14VDC 15A/10A 28VDC | 加强型 NO/NC : 40A/30A 14VDC 20A/15A 28VDC |
| 最大切换电流 Max.Switching Current | 30A | 40A |
| 最大切换电压 Max.Switching Voltage | 30VDC | 30VDC |
| 最大切换功率 Max.Switching Power | 420W | 560W |

性能参数 GENERAL DATA

| | | |
|----------------------------|--------------------------------|--------------------------|
| 触点材料 Contact material | Silver Alloy | |
| 接触电阻 Contact resistance | 100mΩ Max. | |
| 吸合时间 Operate Time | 10msec. Max. | |
| 释放时间 Release time | 5msec. Max. | |
| 绝缘电阻 Insulation resistance | 100MΩ Min.(DC500V) | |
| 介质耐压 Dielectric strength | 触点与触点间 Between open contacts | AC 500V , 50/60Hz 1min. |
| | 触点与线圈间 Between coil & contacts | AC 500V , 50/60Hz 1min. |
| 抗振动 Humidity | 稳定性 Functional | 10 ~ 55Hz, 双振幅 1.5 mm |
| | 强度 Destructive | 10 ~ 55Hz, 双振幅 1.5 mm |
| 抗冲击 Shock Resistance | 稳定性 Functional | 10G Min. |
| | 强度 Destructive | 100G Min. |
| 寿命 Life | 机械寿命 Mechanical Life | 10,000,000 次 (7,200次/小时) |
| | 电气寿命 Electrical Life | 100,000 次(600次/小时) |
| 环境温度 Temperature Range | -40°C ~ +125°C(不结冰) | |
| 重量 Weight | 约26.0g | |

YL315

线圈参数 (at 20°C) COIL DATE

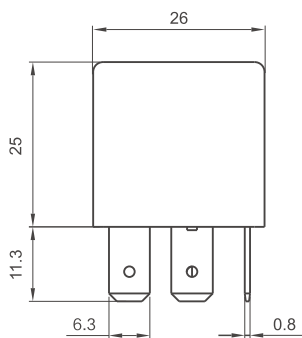
| Nominal Voltage 额定电压 (VDC) | Rated current 额定电流 (mA) ±10%(Ω) | Coil Resistance 线圈阻值 ±10%(Ω) | Parallel resistance 并联电阻 (Ω) | Equivalent resistance 等效电阻 (Ω) | Operate Voltage 吸合电压 (Max.) | Release Voltage 释放电压 (Min.) | Max. permissible voltage 最大允许电压 | Coil power 线圈功率 (W) |
|-------------------------------|---------------------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------------------|----------------------------------|------------------------------------|------------------------|
| 12 | 133.33 | 90 | - | - | 额定电压的70% Rated voltage of 70% | 额定电压的10% Rated voltage of 10% | 额定电压的150% Rated voltage of 150% | 1.6 |
| 24 | 66.67 | 360 | - | - | | | | |
| 12 | 150.94 | 90 | 680 | 79.5 | | | | |
| 24 | 75.57 | 360 | 2,700 | 317.6 | | | | 1.8 |

订货标记 ORDERING INFORMATION

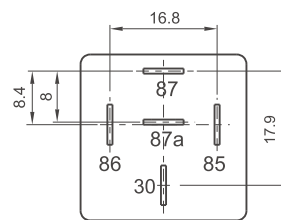
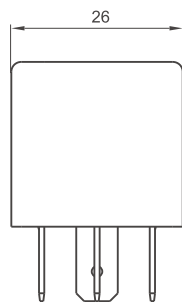
YL315 -C- 12VDC -R -T F -XX

| | |
|---|---|
| 产品型号 Type | YL315 |
| 触点形式 Contact Form | C-转换, B-常闭, A-常开, 2A-常开 |
| 线圈规格 Coil Specification | 12VDC, 24VDC |
| 配件形式 Accessory Type | 无-不带电阻, R-带电阻 D1-带二极管(见接线图), D2-带二极管(见接线图) L1-带LED(见接线图), L2-带LED(见接线图) |
| 外壳形式 Shell Form | 无-无背, T-铁背, S-塑背 |
| 封装形式 Package Form | 无-防尘式, F-塑封 |
| 特殊参数或特殊要求 Special Parameters Or Special Requirements | |

外形图、接线图、安装孔位图 OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

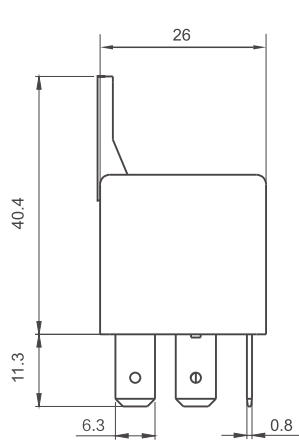


无背型

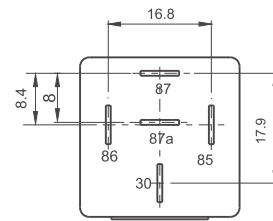
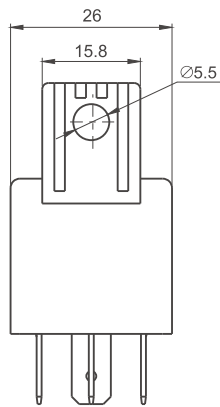


底视图

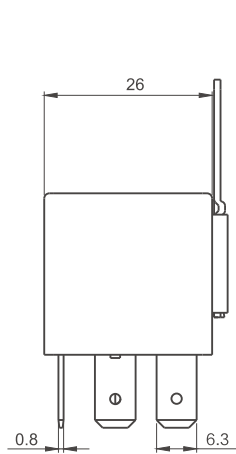
YL315



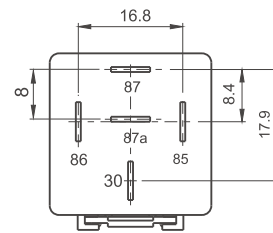
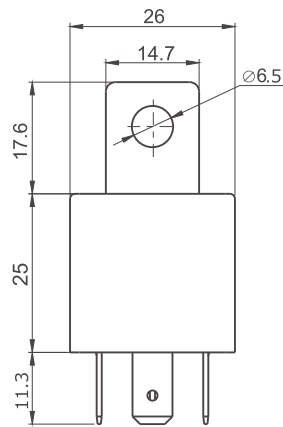
塑背型



底视图



铁背型



底视图

普通型

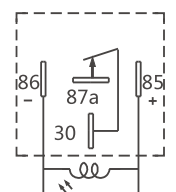
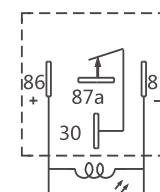
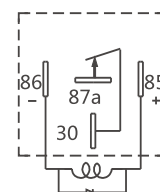
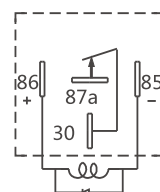
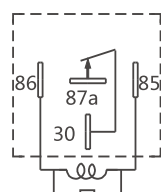
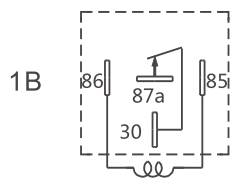
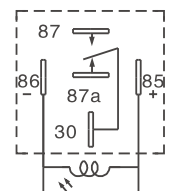
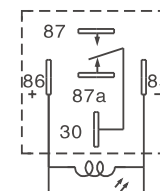
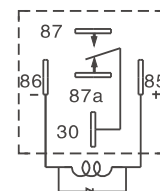
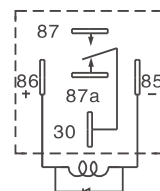
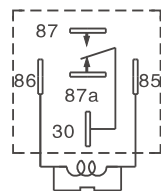
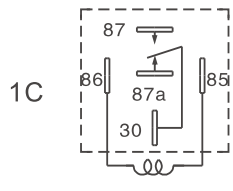
带电阻型

带二极管型(D1型)

带二极管型(D2型)

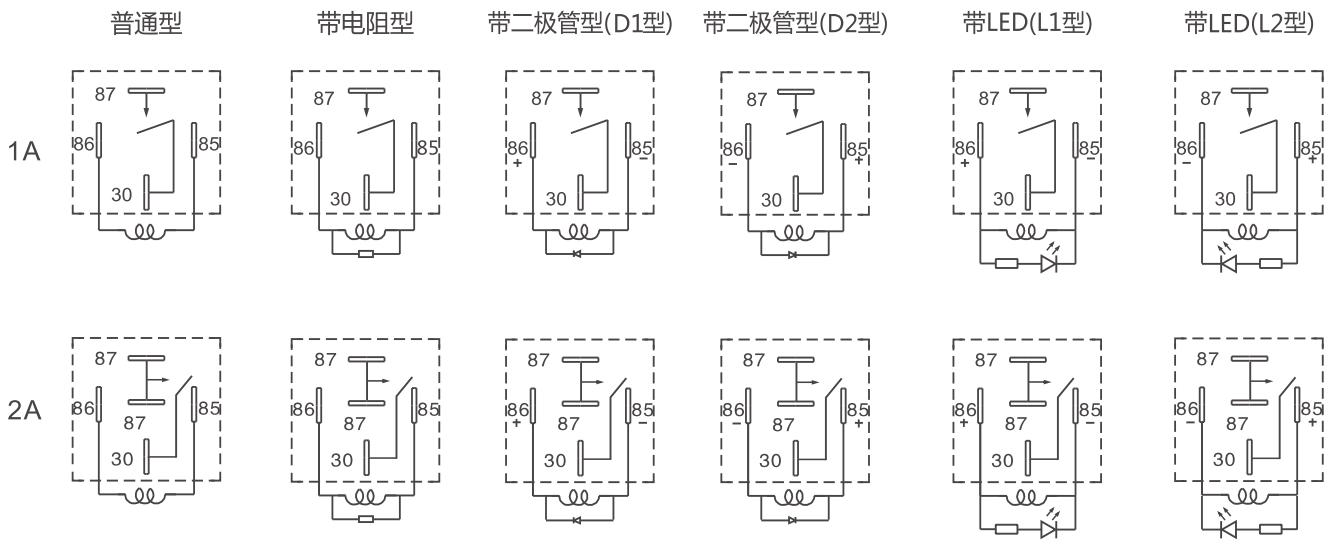
带LED(L1型)

带LED(L2型)



接线图(底视图)
Wiring Diagram(Bottom View)

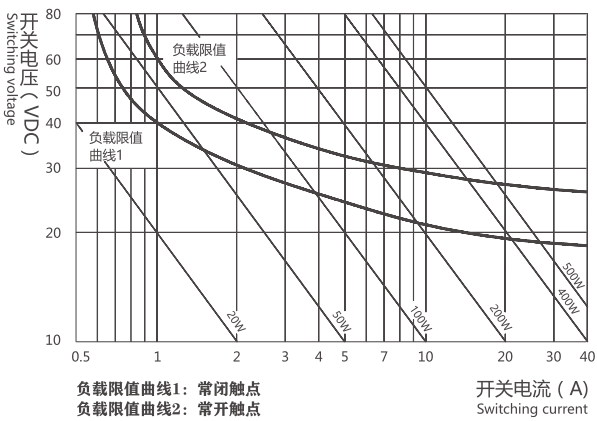
YL315



接线图(底视图)
Wiring Diagram(Bottom View)

性能曲线图 CHARACTERISTIC CURVES

最大直流负载断开容量
MAX. DC LOAD DISCONNECT CAPACITY



线圈工作范围
COIL WORKING RANGE

