

Power Relay Series 功率继电器系列--QYT92C

FEATURES特点

- Up to 40A contact switching capability
高达40A触点切换能力
- Plastic sealed and water proofed types
塑封型与防水型可供选择
- 2,5kV dielectric strength (between coil and contacts)
线圈与触点间介质耐压2,500V
- Outline dimensions (50.2/32.5X27.5X28.2) mm.
外形尺寸 (50.2/32.5X27.5X28.2) mm。



CONTACT PARAMETERS触点参数

Model Series 型号系列	QYT92C
Rating Load (Resistive) 额定负载 (阻性)	30A/40A 277VAC/28VDC
Max. Switching Current 最大切换电流	40A
Max. Switching Voltage 最大切换电压	277VAC/28VDC
Max. Switching Power 最大切换功率	7,200VA/840W

CHARACTERISTICS性能参数

Contact Materials 触点材料	Ag Alloy 银合金	
Contact Resistance 接触电阻	100mΩ Max.	
Operate Time 吸合时间	15msec. Max.	
Release Time 释放时间	10msec. Max.	
Insulation Resistance 绝缘电阻	100MΩ Min. (DS500V)	
Initial Dielectric Strength 介质耐压	Between open contacts: 触点与触点间:	AC1,800V,50/60Hz 1Min.
	Between contacts and coil: 触点与线圈间:	AC2,500V,50/60Hz 1Min.
Vibration Resistance 抗振动	Damage limits: 耐久:	10~55Hz Double Amplitude 双振幅1.5mm
	Malfunction: 误动作:	10~55Hz Double Amplitude 双振幅1.5mm
Shock Resistance 抗冲击	Damage limits: 耐久:	100G Min.
	Malfunction: 误动作:	10G Min.
Life 寿命	Mechanical Life (10800 per hour) 机械寿命 (每小时10800次)	1×10 ⁷
	Electrical Life (1800 per hour) 电气寿命 (每小时1800次)	1×10 ⁵
Ambient Temperature 环境温度	-40°C ~ +105°C (No condensation) (不冷凝)	
Unit Weight 单位重量	约Approx.30g	

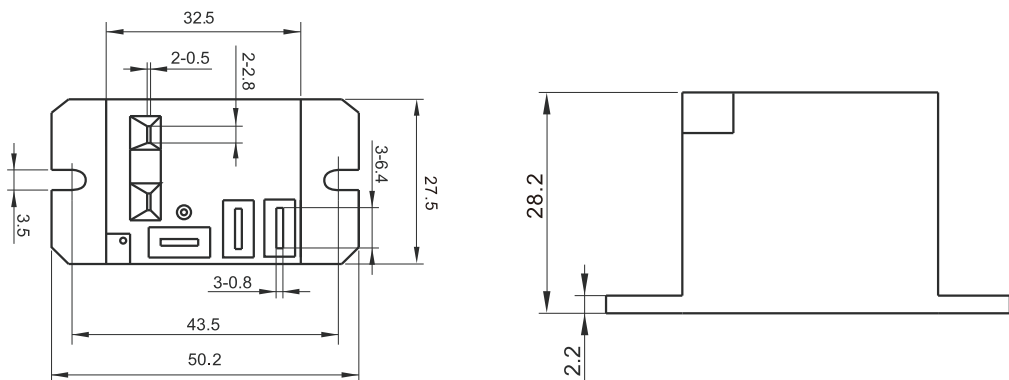
COIL RATINGS (at20°C) 线圈参数 (在20°C)

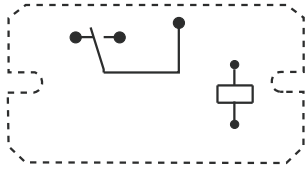
Coil Nominal Voltage 额定电压	Nominal Current 额定电流 ±10%(mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Max. Continuous Voltage 最大连续外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
12VAC	125.00	33.6	Coil Nominal Voltage 110% 额定电压的 110%	Coil Nominal Voltage 80% 额定电压的 80%	Coil Nominal Voltage 30% 额定电压的 30%	1.2 VA
24VAC	63.00	13.5				
48VAC	31.00	538				
110VAC	14.00	2,820				
220VAC	7.00	11,300				
240VAC	6.00	13,440				
5VDC	18.60	27	Coil Nominal Voltage 110% 额定电压的 110%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	0.93 W
6VDC	155.00	39				
12VDC	77.50	155				
24VDC	39.00	619				
48VDC	19.00	2,477				

ORDERING INFORMATION 订货标记

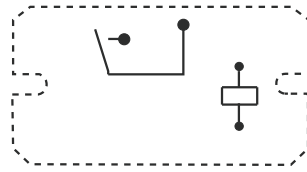
QYT92C-012DC-H-S-P-W 1 2 3 4 5 6	
1. Model Number基本型号: QYT92C 2. Coil Voltage线圈规格: VDC-05,06,12,24,48 VAC-12,24,48,110,220,240 3. Contact Form:H-1 Form A, D-1 Form B, Z-1 Form C 触点形式: H-1组常开, D-1组常闭, Z-1组转换	4. Enclosure: S-General Type, K-Sealed Type 封装形式: S-标准型, K-密封型 5. Coil Power: Nil- 0.93 W, P- 1.2 VA 线圈功率: 无-0.93W, P-1.2VA 6. Features: Nil:30A, R-40A 特性号: Nil:30A, R-40A

OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 (单位: mm)

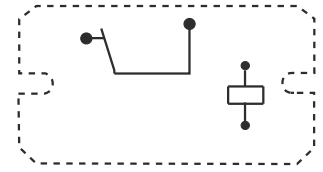




1Z



1H



1D

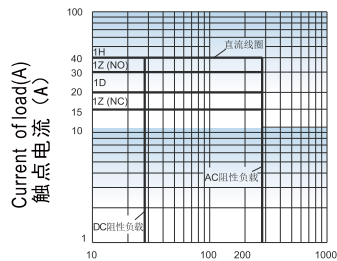
Wiring diagram
接线图

TYPICAL USE 典型用途

- Motor control, industrial control, power supply.
- 马达控制, 工业控制, 电源

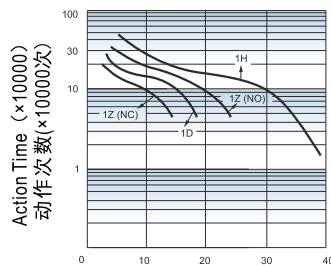
PERFORMANCE CHART 性能曲线图

Max. operating power
最大切换功率



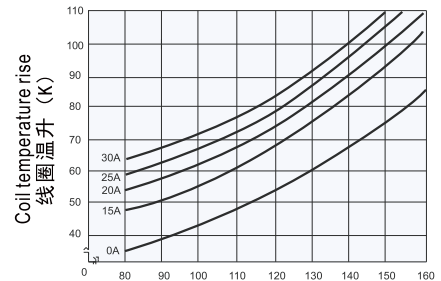
Contact Voltage
触点电压 (V)

Electric durability curve
电耐久性曲线



Contact Current (A)
触点电流 (A)

Coil temperature rise
线圈温升



Percentage of coil voltage
线圈电压的百分比