



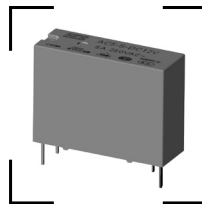
■ Safety Approval

NO. 40024200
us NO. E164730

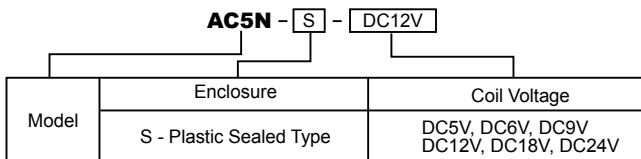
NO. CQC09002030809

■ Features

- Microminiature relay
Dimension: 20.4×7.0×15.4(mm)
- Slim type, 7mm width
- High mounting density
- High sensitivity 200mW



ORDERING INFORMATION



Remarks: 1.Available in 1 Form A only 2. Coil Power: 200mW

SPECIFICATION

CONTACT DATA

| | | |
|--------------------|------------------------|-----------------------|
| Contact Form | 1 Form A | |
| Contact Material | Ag Alloy | |
| Contact Rating | 5A 250VAC | |
| Contact Resistance | Max. 100mΩ (24VDC 1A) | |
| Load | Max. Switching Voltage | 250VAC/30VDC |
| | Max. Switching Current | 5A |
| | Max. Switching Power | 1250VA, 150W |
| | Min. Switching Load | 5VDC, 100mA |
| Life | Electrical | 100,000 operations |
| | Mechanical | 10,000,000 operations |

COIL DATA

| | |
|--------------------|-------|
| Nominal Coil Power | 200mW |
|--------------------|-------|

GENERAL DATA

| | | |
|-----------------------|---------------------------|---------------------------------|
| Insulation Resistance | Min. 1000MΩ 500VDC | |
| Dielectric Strength | Between open contacts | 750VAC, 1min |
| | Between coil and contacts | 4,000VAC, 1min |
| Operate Time | Max. 10ms | |
| Release Time | Max. 10ms | |
| Operating Temperature | -40℃ to +85℃ | |
| Humidity | 5~85%RH, +40℃ | |
| Shock Resistance | Endurance | 1,000m/s ² |
| | Misoperation | 100m/s ² |
| Vibration Resistance | Endurance | 10~55Hz, 1.5mm double amplitude |
| | Misoperation | 10~55Hz, 1.5mm double amplitude |
| Weight | Approximately 3.0g | |

Note:Data shown are of initial value

SAFETY APPROVAL

| File Number | Contact Form | Power Consumption | Coil Voltage | Contact Rating | Remark |
|--|--------------|-------------------|--------------|----------------|--------------------------|
| UL E164730 | A | 0.2W | 3 - 24VDC | 5A 250VAC | Ambient Temperature: 95℃ |
| VDE 40024200 | A | 0.2W | 3 - 24VDC | 5A 250VAC | Ambient Temperature: 85℃ |
| CQC 09002030809 (GB/T 21711.1-2008) | A | 0.2W | 3 - 24VDC | 5A 250VAC | Ambient Temperature: 85℃ |

Specifications subject to change without notice

ISO9001、ISO/TS16949、ISO14001 Approved

COIL DATA

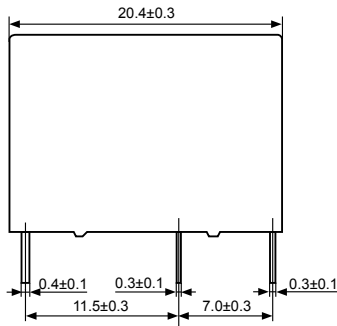
Ambient Temperature: 23°C

| Model | Nominal Voltage VDC | Coil Resistance Ω +/- 10% | Operate Voltage \leq VDC | Release Voltage \geq VDC | Coil Power mW |
|--------------|---------------------|----------------------------------|----------------------------|----------------------------|---------------|
| AC5N-S-DC5V | 5 | 125 | 3.75 | 0.5 | 200 |
| AC5N-S-DC6V | 6 | 180 | 4.5 | 0.6 | |
| AC5N-S-DC9V | 9 | 405 | 6.75 | 0.9 | |
| AC5N-S-DC12V | 12 | 720 | 9.0 | 1.2 | |
| AC5N-S-DC18V | 18 | 1620 | 13.5 | 1.8 | |
| AC5N-S-DC24V | 24 | 2880 | 18.0 | 2.4 | |

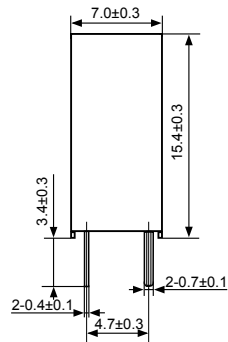
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

AC5N

Outline



Mounting Hole Layout
(Bottom View)



Wiring Diagram
(Bottom View)

