



■ Safety Approval

cUL US NO.E164730

CQC NO.CQC08002027615

VDE NO.40009646

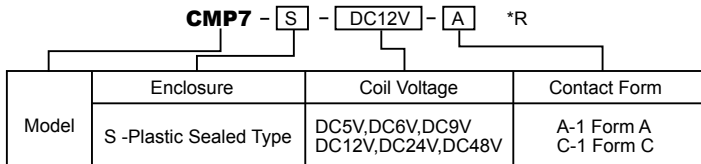
NO.50125641

■ Features

- Dimension: 31.8×27.4×20.0(mm)
- Switching capacity: 30A
- PCB terminal
- F Class insulation



ORDERING INFORMATION



Remark:1.*Note: "R":represents the lack of yoke terminal

SPECIFICATION

CONTACT DATA

| | | |
|--------------------|--|-----------------------|
| Contact Form | A-1 Form A,C-1 Form C | |
| Contact Material | Ag Alloy | |
| Contact Rating | A: 30A 250VAC/24VDC C: NO:20A 250VAC/24VDC NC:15A 250VAC/24VDC | |
| Contact Resistance | Max.100mΩ(6VDC 1A) | |
| Load | Max. Switching Voltage | 250VAC/24VDC |
| | Max. Switching Current | 30A |
| | Max. Switching Power | 7,500VA,720W |
| | Min. Switching Load | 5VDC,100mA |
| Life | Electrical | 100,000 operations |
| | Mechanical | 10,000,000 operations |

GENERAL DATA

| | | |
|-----------------------|---------------------------|--------------------------------|
| Insulation Resistance | | Min.1000MΩ 500VDC |
| Dielectric Strength | Between open contacts | 1,500VAC,1min |
| | Between coil and contacts | 2,500VAC,1min |
| Operate time | | Max.15ms |
| Release time | | Max.10ms |
| Operating temperature | | -40℃ to +85℃ |
| Humidity | | 35~95%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 27.0g |

Note:Initial Value

COIL DATA

| | |
|--------------------|-------|
| Nominal coil Power | 900mW |
|--------------------|-------|

SAFETY APPROVAL

| Certified/File No. | Contact Form | Power Consumption | Coil Voltage | Safety Approval Rating | Remark |
|---------------------------------------|--------------|-------------------|--------------|------------------------|---|
| UL E164730 | C | 0.9W | 5-48VDC | NO/NC: 20/15A 125VAC | Insulation calss:F Ambient Temperature:85℃ |
| | A | 0.9W | 5-48VDC | 30A 125VAC | |
| CQC08002027615 (GB/T 21711.1-2008) | A | 0.9W | 5-48VDC | 30A 250VAC | Ambient Temperature:85℃ |
| | C | 0.9W | 5-48VDC | NO/NC:20/15A 250VAC | |

CMP7

POWER RELAY

SAFETY APPROVAL

| Certified/File No. | Contact Form | Power Consumption | Coil Voltage | Safety Approval Rating | Remark |
|-----------------------------------|--------------|-------------------|--------------|---------------------------------------|-------------------------|
| VDE 40009646 | A | 0.9W | 5-48VDC | 30 250VAC | Ambient Temperature:70℃ |
| | C | 0.9W | 5-48VDC | NO: 30 250VAC NC: 15A 250VAC/24VDC | |
| TUV 50125641-0001 | A | 0.9W | 5-48VDC | 30A 250VAC | Ambient Temperature:85℃ |
| | C | 0.9W | 5-48VDC | NO/NC:20A/15A 250VAC | |
| TUV 50125641-0002 (EN 60730-1) | A | 0.9W | 5-48VDC | 30(8)A 250VAC | Ambient Temperature:85℃ |
| | C | 0.9W | 5-48VDC | NO/NC:20(4)A/15(3)A 250VAC | |

Remark: All above information regarding safety approval subject to change, please contact HKE for update.

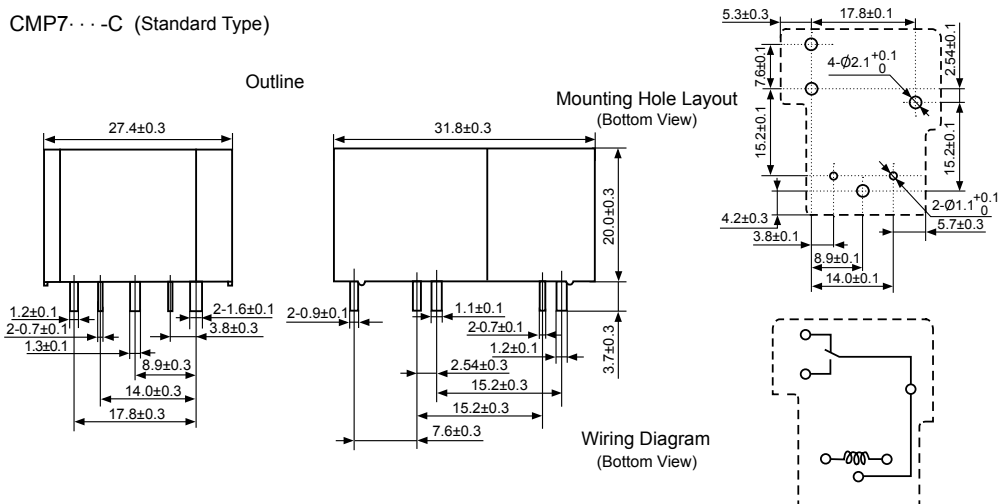
COIL DATA

Ambient Temperature:23℃

| Model | Nominal Voltage VDC | Coil Resistance Ω ±10% | Operate Voltage \leq VDC | Release Voltage \geq VDC | Coil Power mW |
|--------------|---------------------|-------------------------------|----------------------------|----------------------------|---------------|
| CMP7-S-DC5V | 5 | 27.8 | 3.5 | 0.5 | 900 |
| CMP7-S-DC6V | 6 | 40.0 | 4.2 | 0.6 | |
| CMP7-S-DC9V | 9 | 90.0 | 6.3 | 0.9 | |
| CMP7-S-DC12V | 12 | 160 | 8.4 | 1.2 | |
| CMP7-S-DC24V | 24 | 640 | 16.8 | 2.4 | |
| CMP7-S-DC48V | 48 | 2560 | 33.6 | 4.8 | |

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

CMP7...-C (Standard Type)

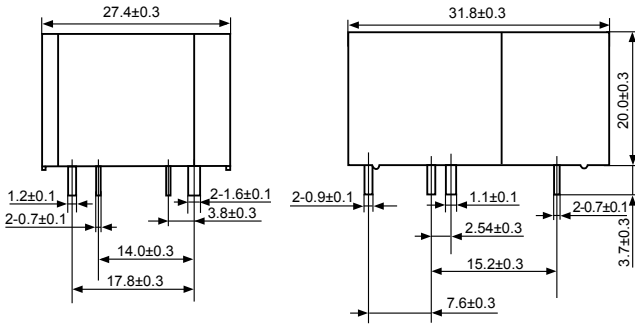


ISO9001、ISO/TS16949、ISO14001 Approved

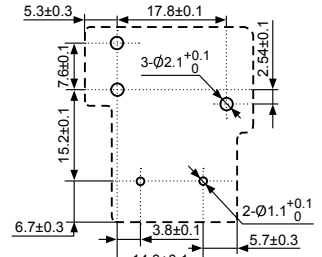
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

CMP7...-C R (lack of yoke terminal)

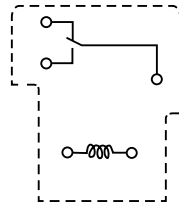
Outline



Mounting Hole Layout (Bottom View)

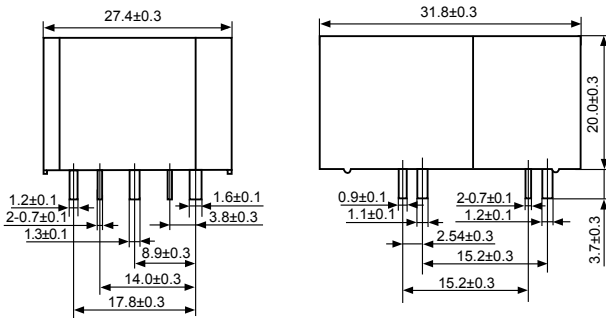


Wiring Diagram (Bottom View)

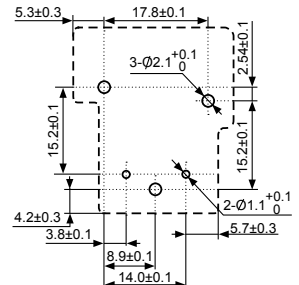


CMP7...-A (standard Type)

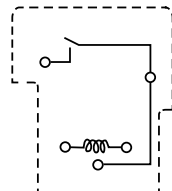
Outline



Mounting Hole Layout (Bottom View)



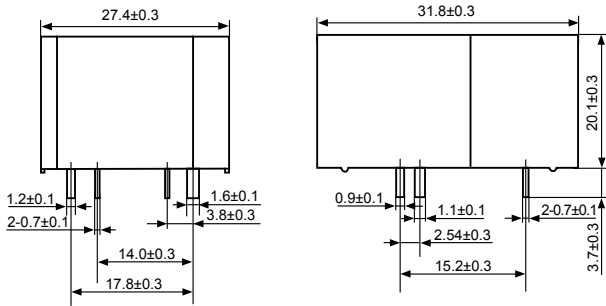
Wiring Diagram (Bottom View)



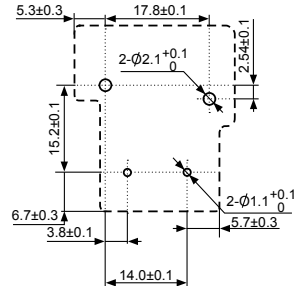
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

CMP7...-A R (lack of yoke terminal)

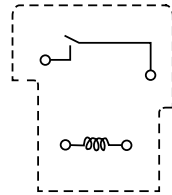
Outline



Mounting Hole Layout (Bottom View)

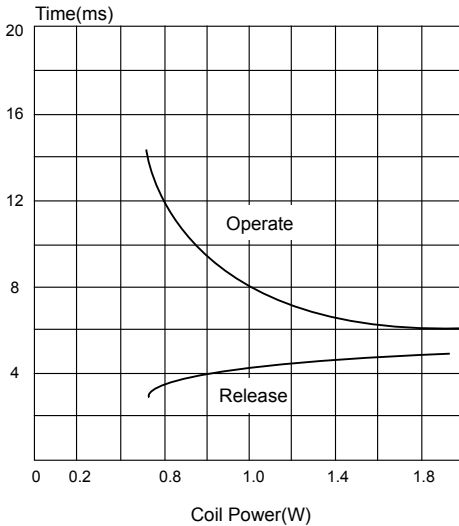


Wiring Diagram (Bottom View)

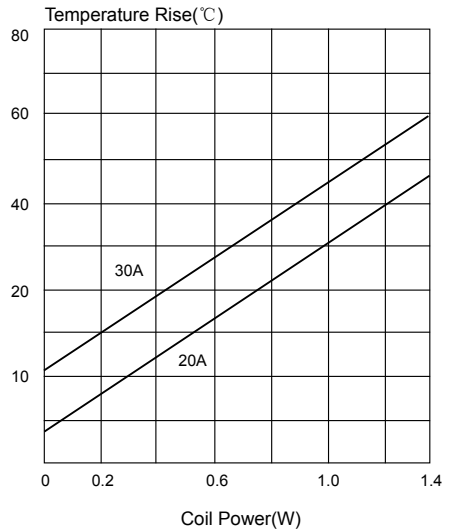


CHARACTERISTIC CHART DATA

Timing

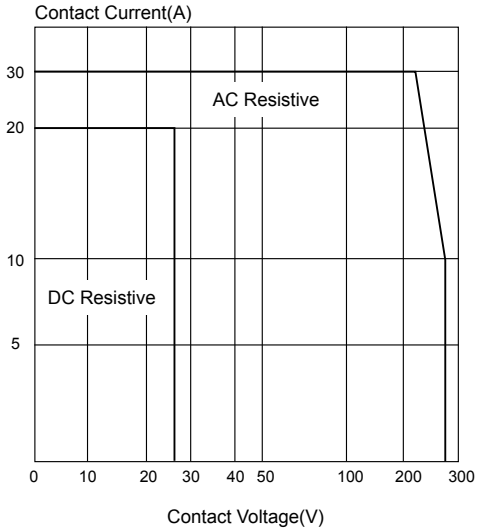


Coil Temperature Rise



CHARACTERISTIC CHART DATA

Max.Switching Power



Life Curves

