



■ Safety Approval

UL US NO. E164730 CQC NO. CQC08002027615

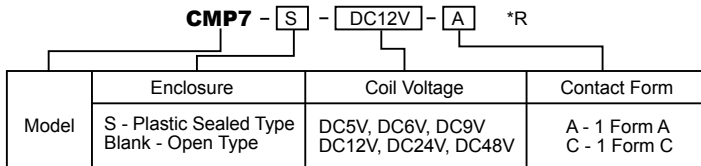
DE NO. 40009646 A NO. 50125641

■ Features

- High contact capacity in a compact package, up to 30A/250VAC
- Available in both open frame and plastic sealed package
- UL class F insulation system
- Applications: Industrial and home appliances, HVAC, etc



ORDERING INFORMATION



Remark: *R - Without common terminal

SPECIFICATION

CONTACT DATA

Contact Form	1 Form A, 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/28VDC
	Max. Switching Current	30A
	Max. Switching Power	7,500VA, 560W
	Min. Switching Load	5VDC, 100mA
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations

COIL DATA

Nominal Coil Power	900mW
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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°C to +85°C
Humidity		35~95%RH, +40°C
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: Data shown are of initial value

SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
UL E164730	C	0.9W	5 - 48VDC	NO/NC: 20/15A 125VAC	Class F insulation Ambient Temperature: 85°C
	A	0.9W	5 - 48VDC	30A 125VAC	
CQC08002027615 (GB/T 21711.1-2008)	A	0.9W	5 - 48VDC	30A 250VAC	Ambient Temperature: 85°C
	C	0.9W	5 - 48VDC	NO/NC: 20/15A 250VAC	

CMP7

POWER RELAY

SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
VDE 40009646	A	0.9W	5 - 48VDC	30 250VAC	Ambient Temperature: 70°C
	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
	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
	C	0.9W	5 - 48VDC	NO/NC: 20(4)A/15(3)A 250VAC	

Specifications subject to change without notice

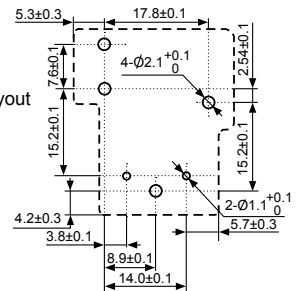
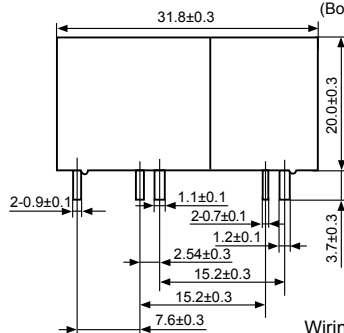
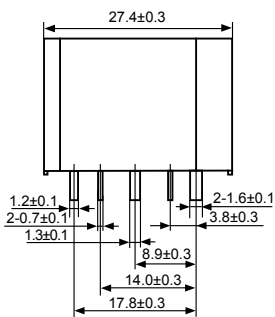
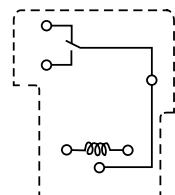
COIL DATA

Ambient Temperature: 23°C

Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
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-DC $\times\times$ V-C
CMP7-S-DC $\times\times$ V-C

Outline

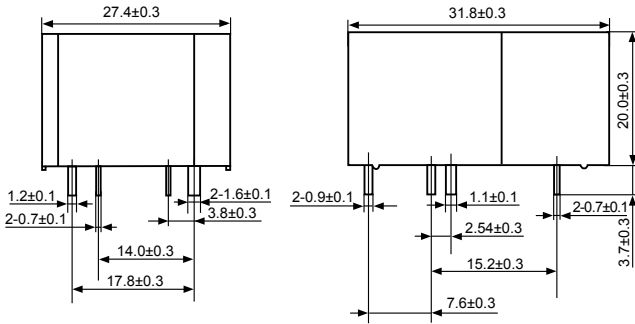
Mounting Hole Layout
(Bottom View)Wiring Diagram
(Bottom View)

ISO9001, ISO/TS16949, ISO14001 Approved

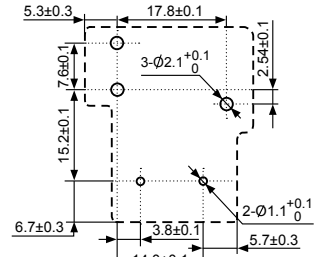
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

CMP7-DC××V-C-R
CMP7-S-DC××V-C-R

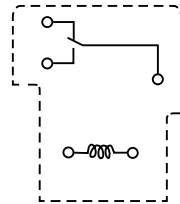
Outline



Mounting Hole Layout
(Bottom View)

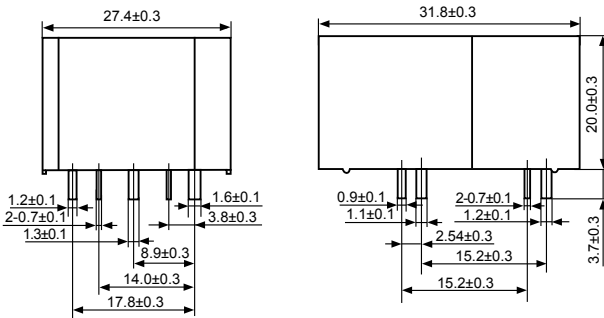


Wiring Diagram
(Bottom View)

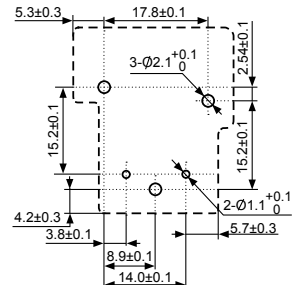


CMP7-DC××V-A
CMP7-S-DC××V-A

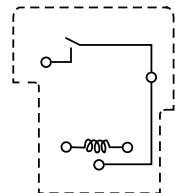
Outline



Mounting Hole Layout
(Bottom View)



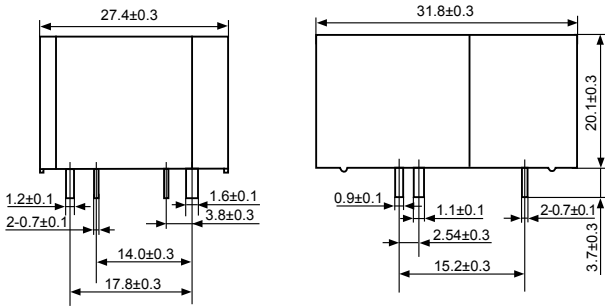
Wiring Diagram
(Bottom View)



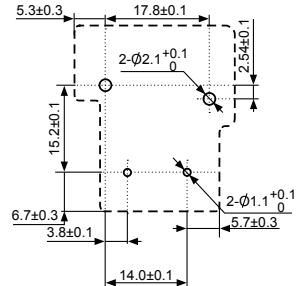
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

CMP7-DC××V-A-R
CMP7-S-DC××V-A-R

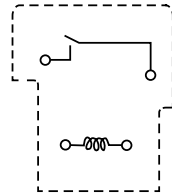
Outline



Mounting Hole Layout (Bottom View)

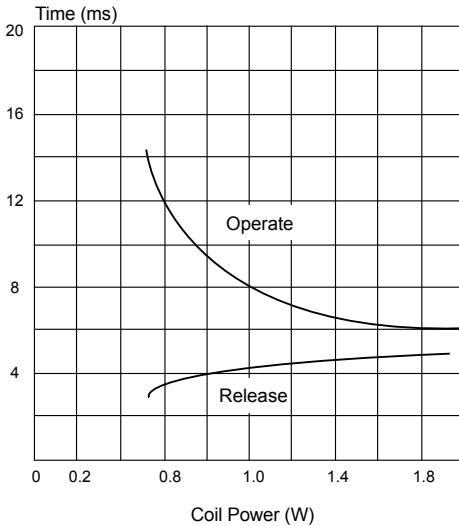


Wiring Diagram (Bottom View)

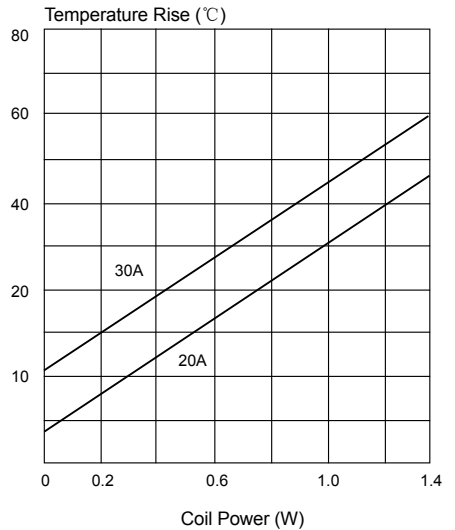


REFERENCE DATA

Time Curve

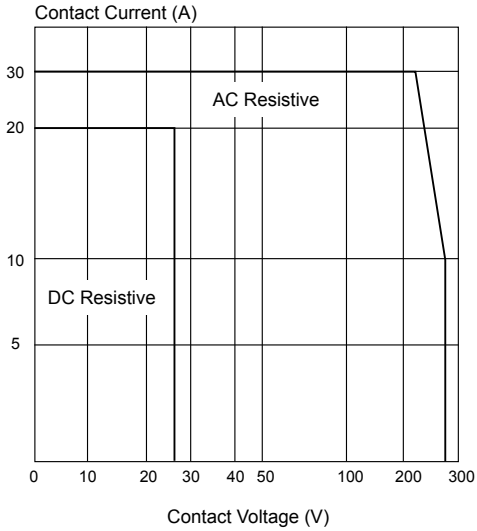


Coil Temperature Rise



REFERENCE DATA

Maximum Switching Power



Life Curves

