CMP8

POWER RELAY

Features

- High contact capacity, up to 30A/250VAC
- Dielectric strength of 2500V between coil and contacts
- Available in both PCB and quick connect terminals
- Exposed or concealed quick connect terminals
- Applications: industrial and home appliances, HVAC, etc

Safety Approval

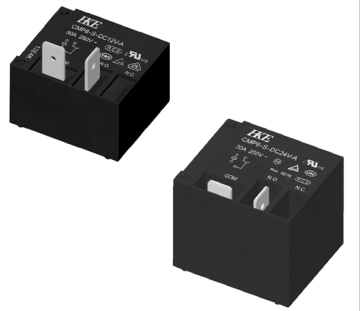
NO.E164730

NO.CQC08002027613

NO.50125643

NO.40009646

Relay Picture



ORDERING INFORMATION

CMP8 – S – DC12V – A

Model	Enclosure	Coil Voltage	Contact Form
	S - Plastic Sealed Type	DC5V, DC6V, DC9V, DC12V, DC24V, DC48V	A - 1 Form A C - 1 Form C AT - 1 Form A(Different quick connect terminals configuration)

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

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 29.0g

Note:Data shown are of initial value

CMP8

POWER RELAY

SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
TUV 50125643-0001	AT	0.9W	5-48VDC	30A 250VAC	Ambient Temperature: 85℃
TUV 50125643	A	0.9W	5-48VDC	30A 250VAC	Ambient Temperature: 85℃
	C	0.9W	5-48VDC	NO/NC:20A/15A 250VAC	
TUV 50125643-0002 (EN 60730-1)	A/AT	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	
VDE 40009646	A	0.9W	5-48VDC	30A 250VAC	Ambient Temperature: 70℃
	C	0.9W	5-48VDC	NO：20A 250VAC NC：15A 250VAC/24VDC	
	AT	0.9W	5-48VDC	30A 250VAC	Ambient Temperature: 70℃
UL E164730	A	0.9W	5-48VDC	30A 250VAC	Insulation calss：F Ambient Temperature: 85℃
	C	0.9W	5-48VDC	NO/NC:20A/15A 250VAC	
	AT	0.9W	5-48VDC	30A 250VAC	Ambient Temperature: 55℃
	C	0.9W	5-48VDC	NO:2HP 240VAC NC:1HP 240VAC	Ambient Temperature: 85℃
				NO:3/4HP 120VAC NC: 1/4HP 120VAC	Ambient Temperature: 85℃ NLDX category
	A	0.9W	5-48VDC	2HP 240VAC	Ambient Temperature: 85℃ NLDX category
				3/4HP 120VAC	
CQC08002027613 (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	
Explosion-proof Certificate CNEx16.1221U	A	0.9W	5-48VDC	30A 250VAC	Mark: Ex nC IIC Gc
	C	0.9W	5-48VDC	NO/NC：20/15A 250VAC	

Specifications subject to change without notice

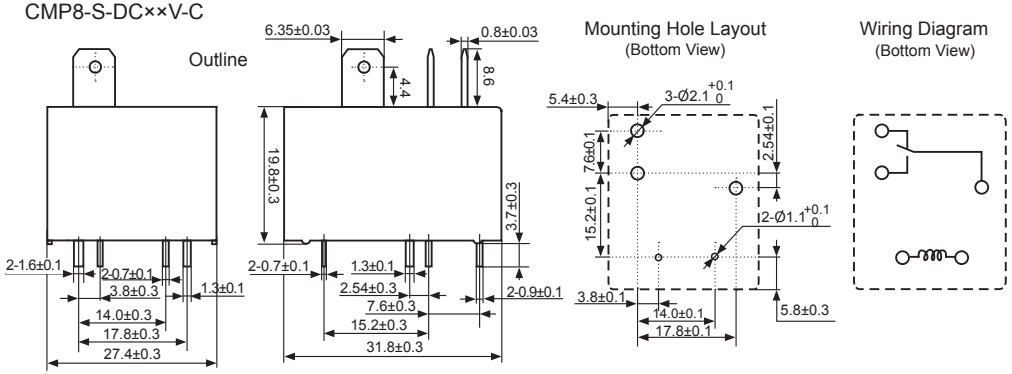
COIL DATA

Ambient Temperature: 23℃

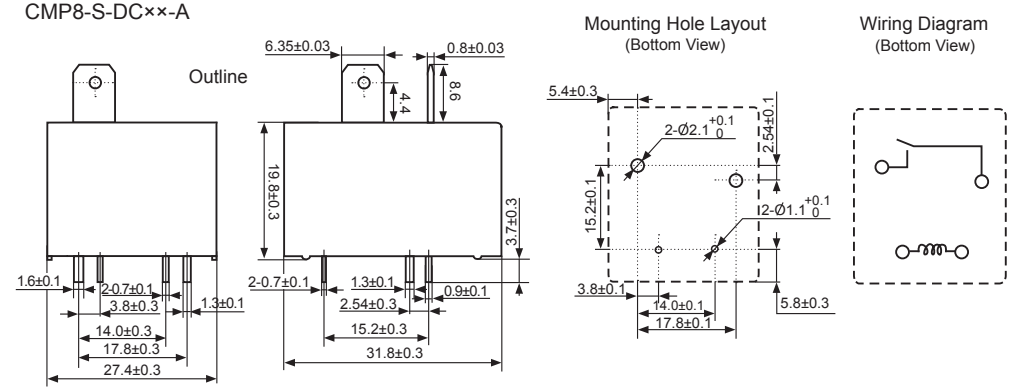
Model	Nominal Voltage VDC	Coil Resistance Ω+/-10%	Operate Voltage ≤VDC	Release Voltage ≥VDC	Coil Power mW
CMP8-S-DC5V	5	27.8	3.5	0.5	900
CMP8-S-DC6V	6	40.0	4.2	0.6	
CMP8-S-DC9V	9	90.0	6.3	0.9	
CMP8-S-DC12V	12	160	8.4	1.2	
CMP8-S-DC24V	24	640	16.8	2.4	
CMP8-S-DC48V	48	2560	33.6	4.8	

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

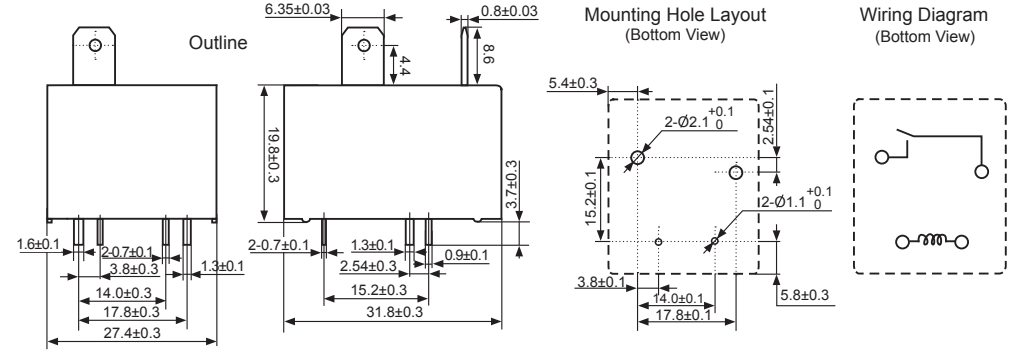
CMP8-S-DC××V-C



CMP8-S-DC××-A

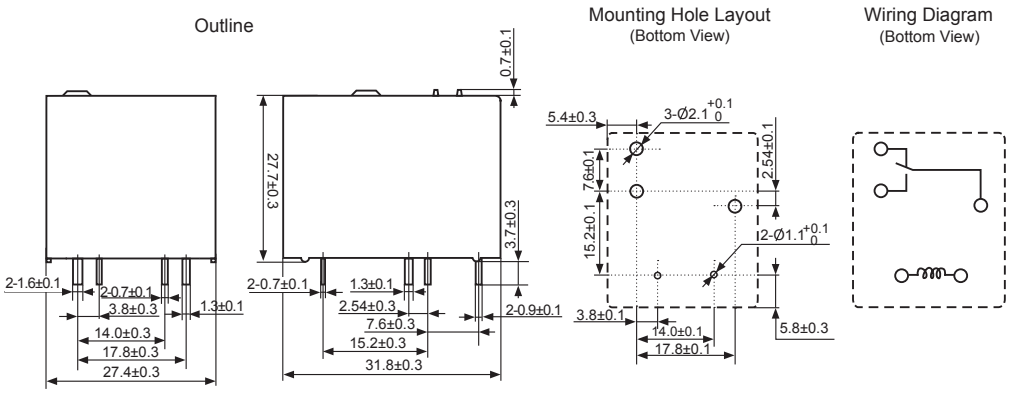


CMP8-S-DC××-AT

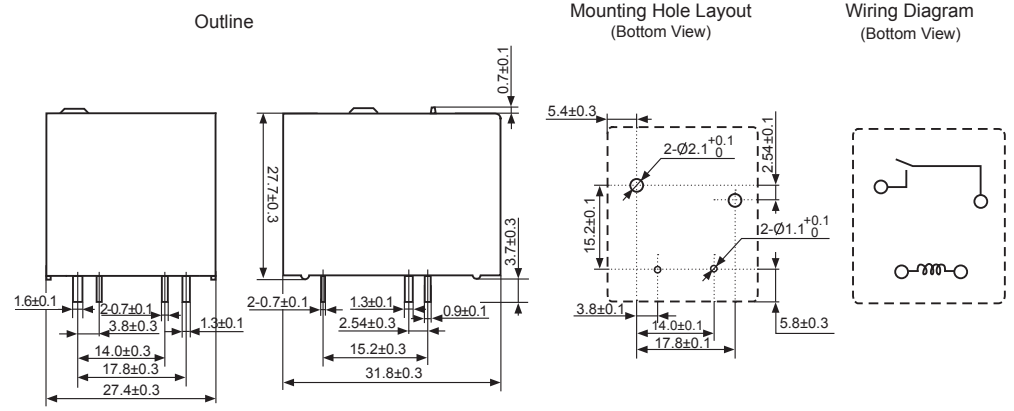


OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

CMP8-S-DC××-C - Concealed terminals

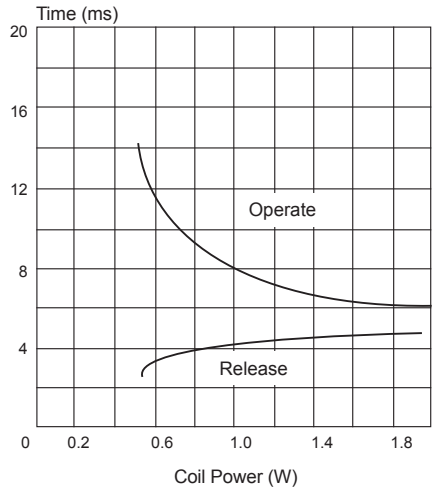


CMP8-S-DC××-A - Concealed terminals

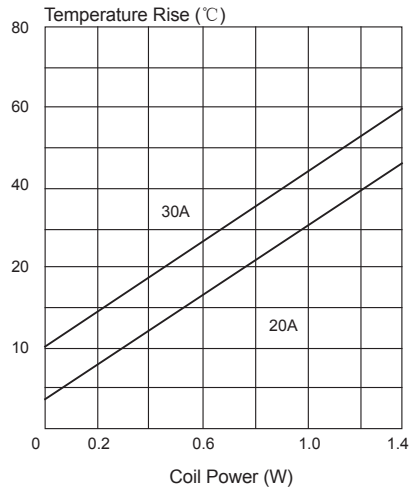


REFERENCE DATA

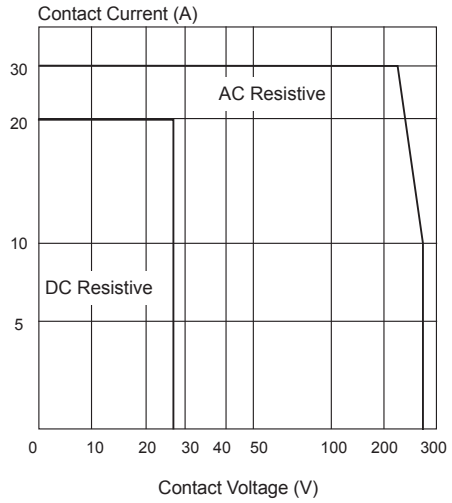
Time Curve



Coil Temperature Rise



Maximum Switching Power



Life Curves