

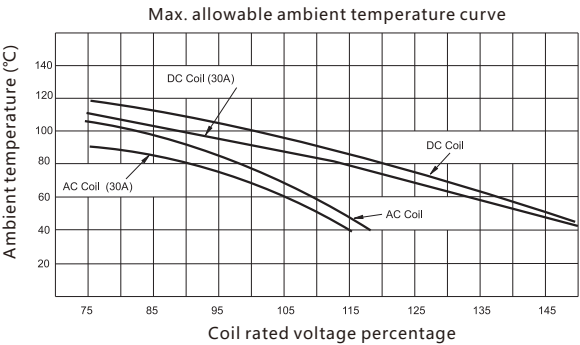
Product Data Sheet

Features:

- ✓ 30A contact switching capability
- ✓ The withstand voltage between the contact and the coil is 4KV, and the creepage distance is 8mm
- ✓ Plastic and dust cover types are available
- ✓ Available in both printed board and panel installations
- ✓ Sizes:(52.0× 33.7×26.7)mm



Performance graph:



Approvals:



Safety Certification	
Certification category	UL
Load requirement	NO:30A 277VAC/250VAC 30A 240VAC/125VAC 2HP 600VAC 1.5HP 120VAC 3HP(20A) 240VAC NC:3A 277VAC/250VAC 3A 240VAC/125VAC

Contact Parameter	
Contact form	2A,2C
Contact resistance (1)	≤100mΩ(1A 6VDC)
Contact material	Silver alloy
Contact load (resistance)	NO:30A 250VAC,30A 277VAC NC:3A 250VAC,3A 277VAC
Max. Switching Voltage	277VAC
Max. Switching Current	30A
Max. Switching Power	8310VA
Mechanical Life	5,000,000 ops.
Electrical Life (Resistive)	100,000 ops. (NO: 30A 277VAC, resistive load, room temperature, 1s on 9s off) 100,000 ops. (NC: 3A 277VAC, resistive load, room temperature, 1s on 9s off)

Note: (1) The above values are initial values.

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Performance Parameter		
Insulation resistance		1000M Ω (500VDC)
Dielectric Strength	Between coil & contacts	4000VAC 1min
	Between contacts &contacts	2000VAC 1min
	Between open contacts	1500VAC 1min
Surge voltage (Between coil & contacts)		10kV(1.2/50us)
Operating time (under rated voltage)		$\leq$ 25ms (DC type)
Release time (under rated voltage)		$\leq$ 25ms (DC type)
Coil temperature rise (at rated voltage)		$\leq$ 90K(AC type); $\leq$ 70K(DC type)
Vibration resistant		10Hz ~ 55Hz 1.65mm double amplitude
Impact resistance	Malfunction	98m/s ²
	Durability	980m/s ²
humidity		5% ~ 85%Rh
Operating Condition		AC type: -40°C ~ 65°C; DC type: -40°C ~ 85°C
Terminal Type		PCB type, quick connect type
weight		About 86g

Note: The above values are initial values.

Ordering Number:

MKR - T92 - 2A - 24D X C

Packing: -: Bulk Y: Individually Packed

Relay Type: T92

Contact Form: 2A--2 poles make contact
2C--2 poles change-over contact

Coil Voltage/Frequency: See "Coil Selection Guide" table below

Mounting Type: Blank--PCB welding
Q1--Flange case with tab of flat quick-connect 6,35 × 0,8mm
Q2--Flange case with tab of flat quick-connect 4,75× 0,5mm

Sealing method: Blank--Dust protected (RT I) ; C--Fully sealed (RT III)

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Coil Selection Guide:

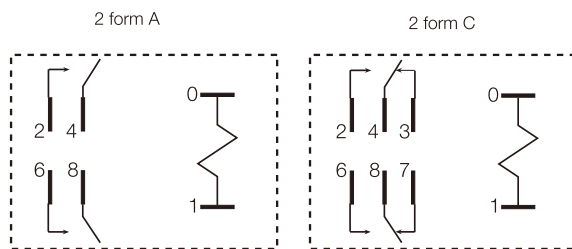
Coil Parameter (DC Type)						
Coil Code	Rated Voltage (VDC)	Operating Voltage (VDC)	Release Voltage (VDC)	Max. Voltage (VDC)	Coil Resistance ±10%(Ω)	Coil Power
5D	5	≤3.8	≥0.5	8.0	15.3	about 1.7W
6D	6	≤4.5	≥0.6	9.6	22	
9D	9	≤6.75	≥0.9	14.4	48	
12D	12	≤9	≥1.2	19.2	86	
24D	24	≤18	≥2.4	38.4	350	
48D	48	≤36	≥4.8	76.8	1390	
110D	110	≤82.5	≥11	176	7255	
Coil Parameter (AC Type 50Hz)						
Coil Code	Rated Voltage (VAC)	Operating Voltage (VAC)	Release Voltage (VAC)	Max. Voltage (VAC)	Coil Resistance ±10%(Ω)	Coil Power
24A	24	≤19.2	≥4.8	26.4	45	about 4VA
120A	120	≤96	≥24	132	1125	
208A	208	≤166.4	≥41.6	229	3278	
220A	220	≤176	≥44	242	3800	
240A	240	≤192	≥48	264	4500	
277A	277	≤221.6	≥55.4	305	5660	
Coil Parameter (AC Type 60Hz)						
Coil Code	Rated Voltage (VAC)	Operating Voltage (VAC)	Release Voltage (VAC)	Max. Voltage (VAC)	Coil Resistance ±10%(Ω)	Coil Power
24A1	24	≤19.2	≥4.8	26.4	35.7	about 4VA
120A1	120	≤96	≥24	132	830	
208A1	208	≤166.4	≥41.6	229	2600	
220A1	220	≤176	≥44	242	2870	
240A1	240	≤192	≥48	264	3800	
277A1	277	≤221.6	≥55.4	305	4700	
Coil Parameter (AC Type 50Hz/60Hz)						
Coil Code	Rated Voltage (VAC)	Operating Voltage (VAC)	Release Voltage (VAC)	Max. Voltage (VAC)	Coil Resistance ±10%(Ω)	Coil Power
120A2	120	≤88	≤96	≥22	≥24	about 4VA
208A2	208	≤160	≤166.4	≥40	≥41.6	
240A2	240	≤176	≤176	≥44	≥48	
277A2	277	≤200	≤200	≥50	≥55.4	

Note: (1) The above values are initial values;
 (2) The maximum voltage refers to the maximum voltage that the relay coil can withstand in a short period of time.

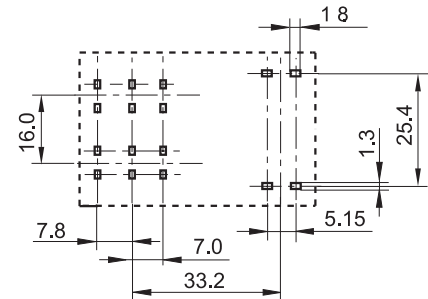
Product Data Sheet

Wiring Diagram:

Wiring Diagram
(Bottom View)

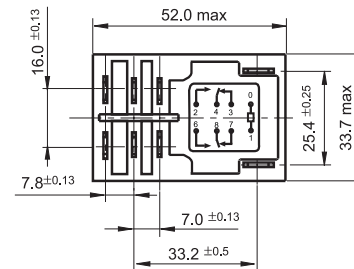
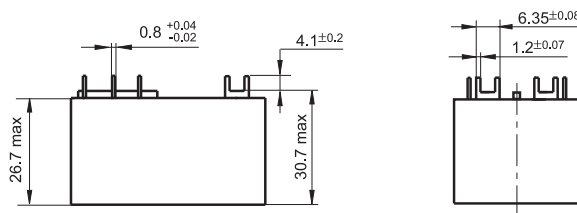


Mounting hole sizes
(bottom view)

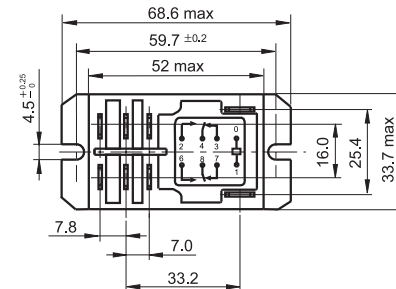
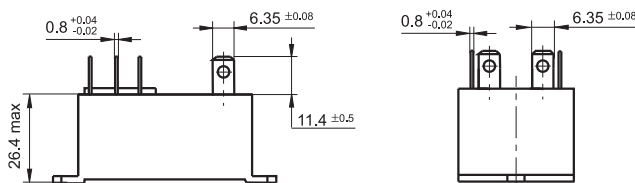


Dimensions (mm):

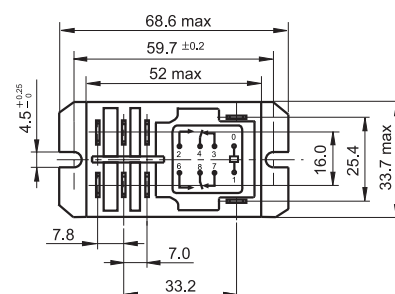
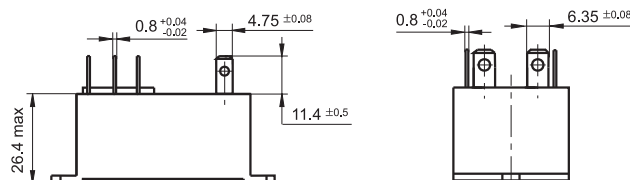
Standard type (PCB pinout)



Q1 type - flange shell Q1 type (QC pins)



Q2 type - flange shell Q2 type (QC pins)



Notes:

- The pin size of the product outline drawing is the size before tinning (it will become larger after tinning), and the mounting hole size is the recommended design size of the PCB board hole. The specific PCB board hole design size can be determined according to the product.
- Mapping and adjustment of the actual product;
The external dimension of the product is not marked with dimensional tolerance. When the external dimension is $\leq 1\text{mm}$, the tolerance is $\pm 0.2\text{mm}$; when the external dimension is between $(1 \sim 5)\text{mm}$, the tolerance is $\pm 0.3\text{mm}$; when the external dimension is between $(1 \sim 5)\text{mm}$, the tolerance is $\pm 0.3\text{mm}$; Size $> 5\text{mm}$, tolerance is $\pm 0.4\text{mm}$;
- The dimensional tolerance not noted in the mounting hole dimensions is $\pm 0.1\text{mm}$.