

Product features

- > Load 2Z 7A; 4Z 5A
- > Various specifications, equipped with LED indicator device
- > With mechanical indicator window
- > Plug-in installation

Model Number Structure

MR-ORU ☐ ☐ ☐ ☐

Contact form(Riveted contact)

2Z: 2 changeover

3Z: 3 changeover

4Z: 4 changeover

Z: Product type

Type

J: Welding type

L: LED

LD: LED with Built-in diode

Coil voltage

6~200VDC

6~380VAC

Plug-in

MR-ORU2ZL

MR-ORU3ZL

MR-ORU4ZL

Soldering

MR-ORU2ZJL

MR-ORU3ZJL

MR-ORU4ZJL

Specifications

Contact Ratings	Contact form	2Z,3Z	4Z
	Rated load(Resistive load)	7A / 250VAC, 30VDC	5A / 250VAC, 30VDC
	Switching power(Resistive load)	2000VA,240W	1250VA, 150W
	Contact resistance(initial)	≤50mΩ	
	Contact materials	Ag alloy	
	Electrical life	1×10 ⁶ cycles	
	Mechanical life	AC: 2×10 ⁷ cycles DC: 5×10 ⁷ cycles	
Performance parameter	Pull-in voltage (23°C)	DC: ≤75% (rated voltage), AC: ≤80% (rated voltage) 50/60Hz (rated voltage)	
	Release voltage (23°C)	DC: ≥10% (rated voltage), AC: ≥30% (rated voltage) 50/60Hz (rated voltage)	
	Maximum voltage (23°C)	110% (rated voltage)	
	Coil power consumption	DC(W)	Approx. 0.9
		AC(VA)	Approx. 1.2
	Pull-in time (rated voltage)	≤20ms	
	Release time (rated voltage)	AC	≤25ms
		DC	≤15ms, Built in freewheeling diode type: ≤25ms
	Insulation resistance	≥1000MΩ(500VDC)	
	Dielectric Strength	Between contacts of same polarity	1000VAC/1min
		2Z: 2000VAC/1min(Leakage current 1mA)	
		4Z: 1500VAC/1min(Leakage current 1mA)	
		Between contact and coil	2000VAC/1min(Leakage current 1mA)
	Ambient temperature	-40~70°C	
	Ambient humidity	5%~85%RH	
	Atmospheric pressure	86~106KPa	
	Shock resistance	stability	98m/S ²
		strength	980m/S ²
	Vibration resistance	10~55Hz double amplitude: 1mm	
	Installation mode	Plug-In type	
	Packaging form	Dust-proof cover	
	Weight	Approx. 32g	

PART NUMBERS ON THIS DRAWING

MR-ORU MR-ORU2C

PLUG-IN RELAY, 2, 3 OR 4 CHANGEOVER, 7 A / 5 A, LED
MR-ORU SERIES

Micro-Ray

PART NO MR-ORU

DWG NO MR-ORU

UNITS: mm SCALE: NTS - DO NOT SCALE

SHEET
1 OF 5

REV
A

SIZE
A4

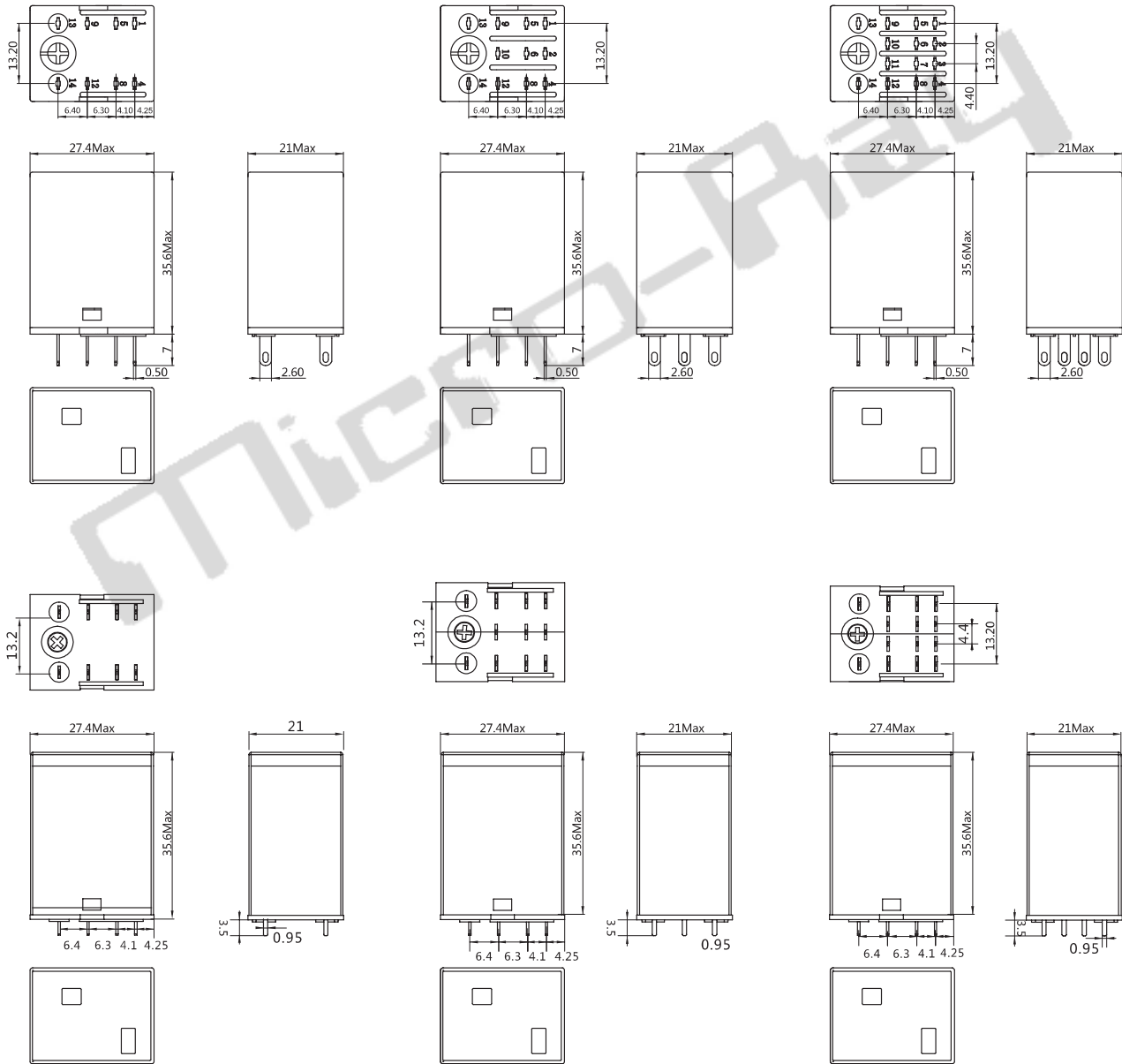
DATE
2026-09-22

Coil Ratings (23°C)

Rated Voltage V.DC	6	12	24	48	100~110	220
Coil resistance Ω	41	165	662	2725	11440	53780
Rated Voltage V.AC	12	24	48	110~120	220~240	
Coil resistance Ω	45	180	785	4430	15900	

Note: Coil resistance tolerance: Nominal value of coil rated voltage < 110V±10%Ω, ≥110V 1±15%Ω.

Dimensions (mm)



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SHEET
2 OF 5

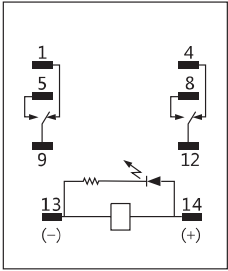
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A

SIZE
A4

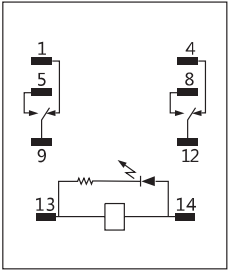
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Connecting diagram

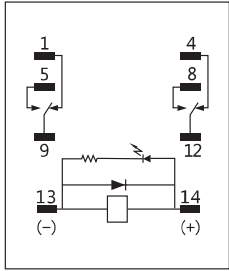
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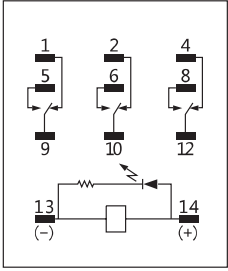
MR-ORU2ZL AC



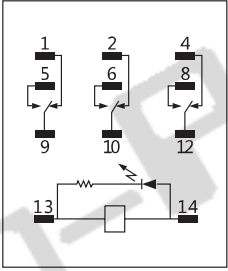
MR-ORU2ZLD DC



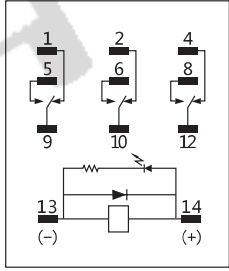
MR-ORU3ZL DC



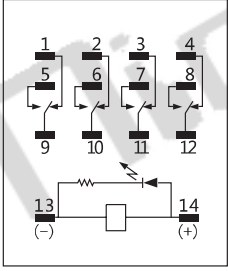
MR-ORU3ZL AC



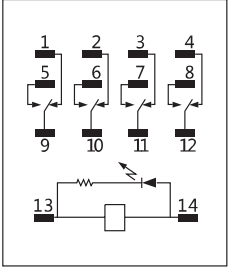
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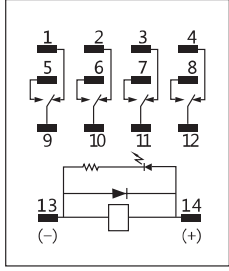
MR-ORU4ZL DC



MR-ORU4ZL AC



MR-ORU4ZLD DC



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DWG NO MR-ORU

UNITS: mm SCALE: NTS - DO NOT SCALE

Micro-Ray

SHEET
3 OF 5

REV
A

DATE
A4

DATE
2026-09-22

Product features

- > Load 2C 10A
- > Various specifications, equipped with LED indicator device
- > With mechanical indicator window
- > Plug-in installation

Model Number Structure

MR-ORU ☐ ☐ ☐ ☐

Contact form (Riveted contact) _____
2C: 2 changeover
Z: Product type _____
Type _____
J: Welding type
L: LED
LD: LED with Built-in diode
Coil voltage _____
6~220VDC
6~380VAC

Plug-in
MR-ORU2CL

Soldering
MR-ORU2CJL

Specifications

Contact Ratings	Contact form	2C
	Rated load(Resistive load)	10A / 250VAC, 30VDC
	Switching power(Resistive load)	2500VA,300W
	Contact resistance(initial)	≤50mΩ
	Contact materials	Ag alloy
	Electrical life	1×10 ⁵ cycles
Performance parameter	Mechanical life	AC: 2×10 ⁷ cycles DC: 5×10 ⁷ cycles
	Pull-in voltage (23°C)	DC: ≤75% (rated voltage), AC: ≤80% (rated voltage) 50/60Hz (rated voltage)
	Release voltage (23°C)	DC: ≥10% (rated voltage), AC: ≥30% (rated voltage) 50/60Hz (rated voltage)
	Maximum voltage (23°C)	110% (rated voltage)
	Coil power consumption	DC(W) Approx. 0.9
		AC(VA) Approx. 1.2
	Pull-in time (rated voltage)	≤20ms
	Release time (rated voltage)	AC ≤25ms
		DC ≤15ms, Built in freewheeling diode type: ≤25ms
	Insulation resistance	≥1000MΩ(500VDC)
	Dielectric Strength	Between contacts of same polarity 1000VAC/1min
		Between contacts of different polarity 2000VAC/1min(Leakage current 1mA)
		Between contact and coil 2000VAC/1min(Leakage current 1mA)
	Ambient temperature	-40~70°C
	Ambient humidity	5%~85%RH
	Atmospheric pressure	86~106KPa
	Shock resistance	stability 98m/S ²
		strength 980m/S ²
	Vibration resistance	10~55Hz double amplitude: 1mm
	Installation mode	Plug-In type
	Packaging form	Dust-proof cover
	Weight	Approx. 32g

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SHEET
4 OF 5

REV
A

SIZE
A4

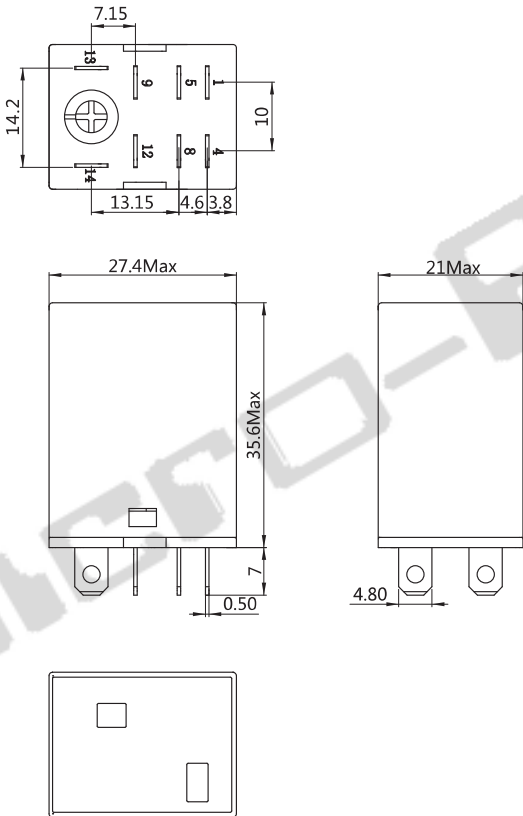
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2026-09-22

Coil Ratings (23°C)

Rated Voltage V.DC	6	12	24	48	100~110	220
Coil resistance Ω	41	165	662	2725	11440	53780
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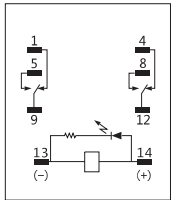
Note: Coil resistance tolerance: Nominal value of coil rated voltage < 110V±10%Ω, ≥110V 1±15%Ω.

Dimensions (mm)

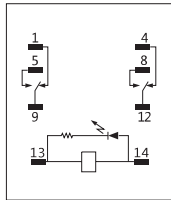


Connecting diagram

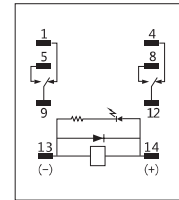
MR-ORU2CL DC



MR-ORU2CLAC



MR-ORU2CLD DC



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SHEET 5 OF 5

REV A

SIZE A4

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