

Part Number Information

RYA4A	-	1A	-	12VDC	-	8	-	R
SERIES		CONTACT ARRANGEMENT		COIL NOMINAL VOLTAGE		TERMINAL TYPE		SPECIAL MARK
RYA4A: Bayonet Type RYA4AS: Sealed Type		1A: 1 Form A 1C: 1 Form C		12VDC 24VDC		8: Pin Connect		Blank: Standard R: With Resistor (12V - 680Ω, 24V - 2700Ω) D: With Diode

Contact Data

Contact Form	1 Form A, 1 Form C	
Contact Material	Ag Alloy	
Contact Rating (Resistive)	NO/NC: 35A/20A 14 VDC NO/NC:20A/10A 28VDC	
Contact Resistance	50 mΩ Max. (1A 6V DC)	
Load	Max. Switching Voltage	40V DC
	Max. Switching Current	Make: 150A(1) Break: 35A
	Max. Continuous Current	35A @ 125°C - 1 hour
	Min. Switching Load	1A 6VDC
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations

Remark: (1) Surge current for lamp

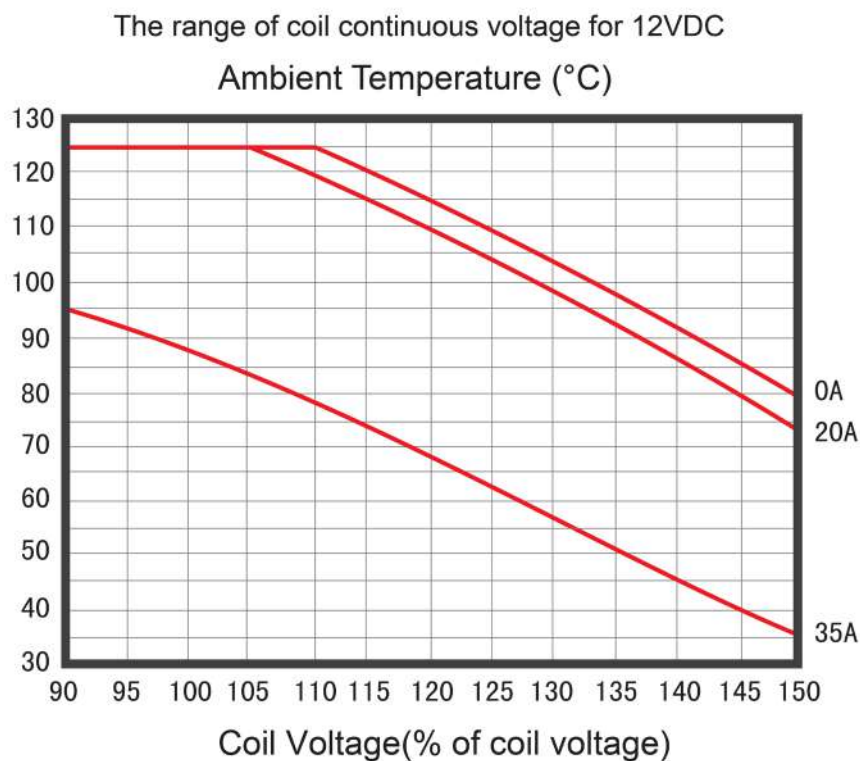
Coil Data

Nominal Coil Power	12V: 1.2W	24V: 1.4W
Nominal Coil Power (With Resistor)	12V: 1.4W	24V: 1.6W
Max Permitted Coil Voltage	1.2W: 20.4V DC (23°C)	14.9V DC (85°C)
	1.4W: 36VDC (23°C)	28VDC (85°C)

Ambient Temperature: 23°C

Model	Nominal Voltage	Coil Resistance Ω+/-10%	Parallel Resistance Ω+/-5%	Equivalent Resistance Ω+/-10%	Operate Voltage ≤VDC	Release Voltage ≥VDC	Coil Power W
RYA4A(S)-12VDC	12V DC	124	-	-	7.2	1.2	1.2
RYA4A(S)-12VDC-R	12V DC	124	680	104.9	7.2	1.2	1.4
RYA4A(S)-24VDC	24V DC	420	-	-	14.4	2.4	1.4
RYA4A(S)-24VDC-R	24V DC	420	2700	363.4	14.4	2.4	1.6

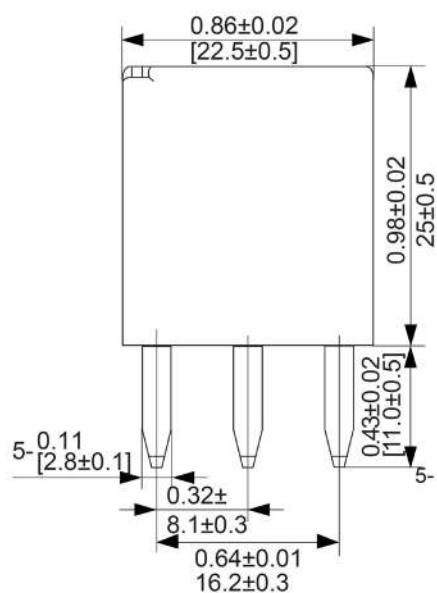
Continuous Coil Voltage Range



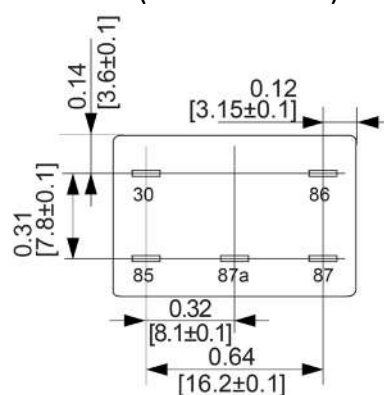
Mechanical Dimensions: Inches [mm]

Tolerances ± 0.012 [0.3] Unless Otherwise Specified

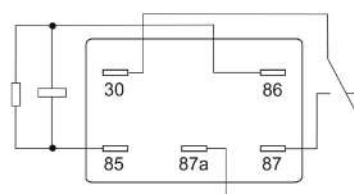
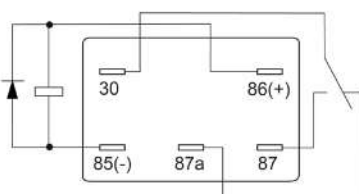
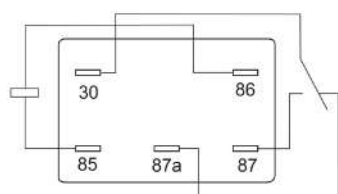
Outline



Mounting Hole Layout
(Bottom View)



Wiring Diagram
(Bottom View)



Specifications

Insulation Resistance	Min. 100M Ω
Dielectric Strength	550VAC , 50/60Hz, 1 min
Operate Time	Max. 10 ms
Release Time	Max 10 ms Max. 20ms (With Diode)
Operating Temperature	-40°C to +125°C

Humidity	35~85%RH
Shock Resistance (2)	20G($\leq$ 1ms)
Vibration Resistance(2)	10~40Hz, 1.27mm double amplitude 40~70Hz, 49m/s ²
Vibration Resistance(2)	70~100Hz, 0.5mm double amplitude 100~500Hz, 98m/s ²
Weight	~20g
Remark (2)	Open time for closed contact is not more than 1ms Close time for open contact is not more than 1ms

Rev	Date of issue	Revision Notes	Designed	Approved
A	09-08-2025	Initial Drawing	RC	OF