

New!



Aplicación

RV3141RA es nuestro reconector compacto más reciente, especialmente diseñado para la protección eléctrica inteligente, con las siguientes ventajas:

1. Volumen compacto, ancho de 18 mm solamente.
2. Cumple con todos los interruptores libremente, como MCB, RCD, RCBO y auxiliares, etc.
3. RV3141RA puede reengancharse automáticamente por 3 veces cuando se establece en AUTO, o se controla de forma remota mientras se configura en MANU.

Datos técnicos

Dimensiones: 1 módulo (18mm)

Cableado eléctrico: 1P + N monofásica

Tiempo de disparo: Disparo <math>< 0.2s</math> Rearme > 0.3s

Tiempo de retraso entre rearmes: 1º 10s; 2º 60s; 3º

300s; 4º Bloqueo Grado de protección: IP20

Temperatura amb. de operación: -25°C / +55°C

Temperatura de almacenamiento: -40°C Humedad relativa amb: <math>< 95\%</math>

Cableado eléctrico: 1P + N monofásica

Tensión nominal: 230 VAC

Frecuencia nominal: 50/60 Hz

Vida útil mecánica: > 10.000 rearmes

Empleo en diferenciales monofásicos y trifásicos

Empleo en automáticos e IGA monofásicos(10KA)

Modo de operación

AUTO: Función de rearme automático en la condición de trabajo, así como los contactos abiertos y cerrados funcionan correctamente.

MANU (manual): Función de rearme automático deshabilitada, contactos abiertos y cerrados deshabilitados.

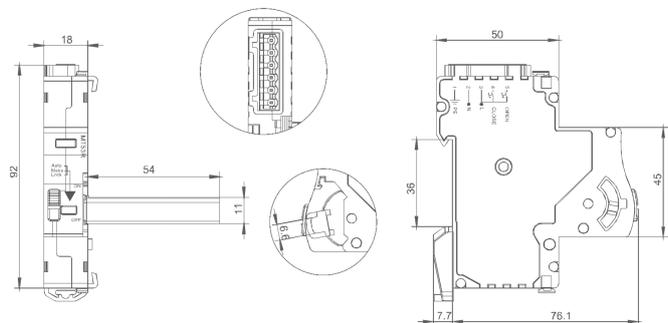
LOCK (bloqueo): El dispositivo no se podrá rearmar ya que tendrá un mecanismo de seguridad previamente instalado manualmente.

Instrucción del panel delantero

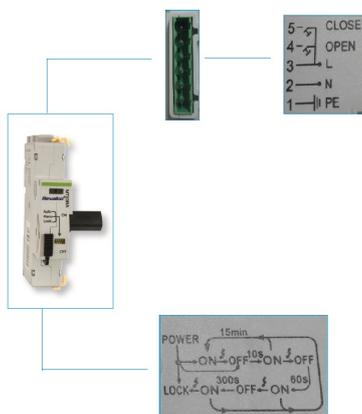
Verde, continua: operación normal
Rojo, parpadeo lento (1/2s): circuito eléctrico abierto / disparo
Rojo y verde, parpadeo: rearme automático
Rojo, parpadeo rápido (1s): bloqueo, la función de rearme automático y los contactos aux, no trabajan



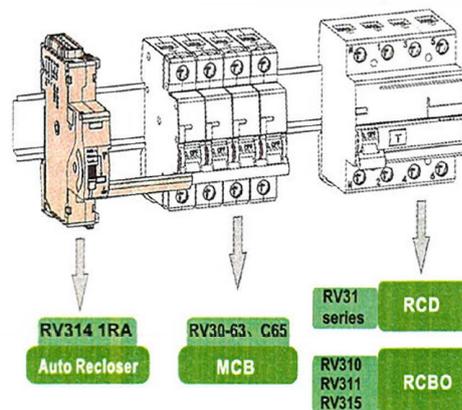
Dimensión



Conexión de terminal

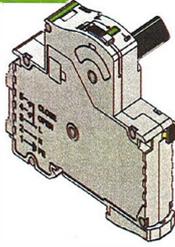


Instalación



Reconector automático RV3141RA

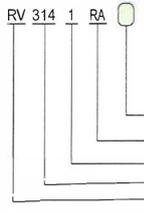
RV314 1RA Auto Recloser



1. Instruction

This Auto Recloser RV314 1RA is our latest compact recloser, specially designed for smart electricity protection, with such advantages as below:

1. Compact volume, width of 18mm only
2. It complies all breakers freely, such as MCB, RCD, RCBO, and auxiliaries, etc.
3. RV314 1RA may automatically reclose for 3 time when set to AUTO, or controlled remotely while set to MANU.

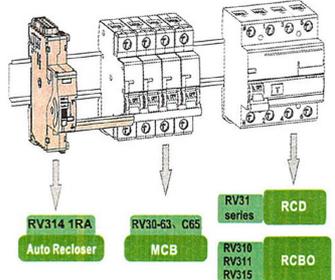


L: Long handle
Function: RA auto reclose protector
IM: 18mm
Design code
Company code

2. Warning

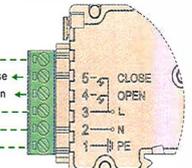
1. This device should be installed by professional electrician, and not be disassembled
2. It is forbidden to operate this device with wet hands, otherwise, it may cause electric shock.
3. This device is designed for some special use, and it will continue to reclose automatically the circuit breaker for 3 times, even when the circuit is tripped due to the faulty, such as overload or short circuit. All users must be aware of this important safety-concerned usage before installation, and is responsible by themself fully.
4. This device must be switched to "Manu" while the load terminal has routine maintenance.

3. Installation



RV314 1RA Auto Recloser
RV30-63, C65 MCB
RV31 series RCD
RV310, RV311, RV315 RCBO

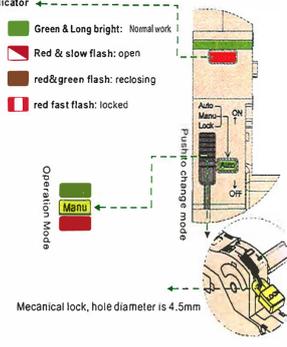
4. Wiring



Terminal 6: [standby]
Terminal 5: remote control close
Terminal 4: remote control open
Terminal 3: Line L
Terminal 2: Neutral N
Terminal 1: Earth PE

Note: Terminal 3 & 4 connected, device open, then, disconnect terminal 3 & 4
Terminal 3 & 5 connected, device close, then, disconnect terminal 3 & 5

5. Indication Instruction



Indicator

- Green & Long bright: Normal work
- Red & slow flash: open
- red&green flash: reclosing
- red fast flash: locked

Operation Mode: Manu
Manual change mode
Mechanical lock, hole diameter is 4.5mm

6. Technical Data

Power wiring	1P+N single phase
Rated voltage	~230V
Rated frequency	50/60Hz
Mechanical life	≥10000times
Trip time	Trips 0.2s Recloses 0.3s (time delay excluded)
Reclose time delay	1st: 10s; 2nd: 60s; 3th: 300s; 4th: locked
Protection Grade	Ip20
Operation Temperature	-25°C → +55°C
Storage Temperature	-40°C → +70°C
Relative Humidity	≤95%

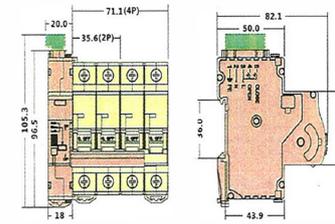
The principle of trip and reclose
Under mode AUTO, and the circuit be open, the device will run "AUTO" mode to reclose the circuit after 10 seconds; The device will continue for second reclose after 60s if failed to reclose, and third reclose after 300s. The device will be in "lock" mode after 3 times of reclose and failed (the circuit can't hold for 15 minutes is defined as failed to reclose).

Release "LOCK"
Both operations above will release the "LOCK":
1) After visit at site and solved the faulty problem, the electrician needs to switch "AUTO" to "MANU" and "AUTO" again;
2) Remotely open and close once;

Auto/Manu/Lock Operation Mode
Auto: Auto reclose function in work condition, as well as both open & close contacts work well.
Manu: Auto reclose function doesn't work, both open & close contacts doesn't work as well.
Lock: the device won't reclose after locked with hole diameter is 4.5mm, even manually.

Indicator
Green & Long bright: Normal work
Red & slow flash (1time/2s): Open
red&green flash: Auto-reclosing
red fast flash (time/1s): locked, auto reclose function and both open & close contacts doesn't work

7. Dimension (Unit: mm)



8. Final test after installation

1. The mode should be on mode "Manu" before installation
2. After all wiring connected, switch the mode to "AUTO", manually switch once, to check whether the output of circuit breaker and earth leakage is OK.
3. Test separately the contacts function of "open" and "close".
4. Manually open, the device will reclose automatically once;
5. As for earth leakage circuit breaker, press "test monthly" to check the device;
6. The device will run normally after test finished;

9. General Questions

1	Question	No auto reclosing
	solution	check the mode should be on "Auto"
	Question	Send signal of open or close, but no action
2	solution	Make sure the switch is on "Auto" mode, and check the wiring connection
	Question	Reclosing failed
3	solution	Please check the circuit whether it has faulty of earth leakage, short-circuit, or overload, etc.

10. Product Guarantee

We assure our device RV314 1RA auto reclose over/under voltage protector of 12 months quality guarantee. We shall replace or repair this device while due to quality problem itself. However, this quality guarantee won't cover such problem due to improper use, such as fall down, wrong wiring, dismantled, etc.