JA3507A WIPER CONTROLLER



Features

- High cost performance
- Special integrate circuit, reliable
- Solid base design, stable structure
- Wiper automatic positioning implementation

Typical Applications

Wiper control

CHARACTERISTICS

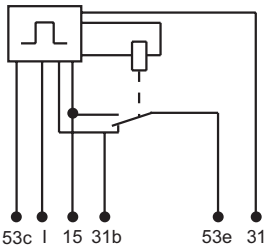
Norminal voltage	24VDC
Operating voltage range	18VDC to 32VDC
Contact rating	Wiper: 50W 24VDC
Wiping time	3.5s + 2.5s
Intermission time	5.5s ± 1.5s
Electrical endurance	3×10^4 OPS (Contact rating, Interval wiping)

Ambient temperature	-40˚C to 85˚C
Vibration resistance	10Hz to 200Hz 49m/s^2 (5g)
Shock resistance	196m/s^2 (20g)
Weight	Approx. 35g
Mechanical data	cover retention (pull & push): 250N min. terminal retention (pull & push): 110N min.

OUTLINE DIMENSIONS AND WIRING DIAGRAM

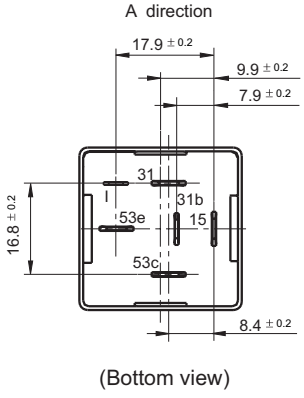
Unit: mm

Wiring Diagram



1. As shown in left wiring diagram, for JA3507A, terminal 15 is connected with anode of 24VDC, terminal 31 with cathode, terminal I and 53e with combination switch, terminal 31b with wiper's turbine switch, and terminal 53c with cleaning pump switch.
2. Interval wiping: When terminal 53e is connected with wiper through combination switch, terminal I is powered with 24VDC through combination switch, inner relay moves, terminal 53e and 15 open, wiper runs. After terminal 31b gets the feedback signal of 0V, inner relay releases, terminal 53e and terminal 15 close. 5.5s ± 1.5s later, repeat the course above.
3. Cleaning: when terminal 53c is powered with 24VDC, inner relay runs, terminal 53e and terminal 15 close, wiper starts to run until the 24VDC voltage on terminal 53c is removed and time delay 3.5s + 2.5s. After terminal 31b gets the feedback signal of 0VDC, inner relay releases, and wiper stops running.
4. JA3507A includes the function of automatic positoning.

Terminal Layout



(Bottom view)

Outline Dimensions

