

5. Operation notes

When using a ROHM contact image sensor head, be aware of the points given below.

(1) The maximum drive current will differ depending on the on duty ratio for the LED light source. If drive current greater than the maximum drive current is used, rapid deterioration of the light intensity or damage to the light source will occur. Refer to the graphs given for the specifications listed in this data book and do not use a drive current that exceeds the maximum drive current.

(2) If the glass surface or lens surface of the contact image sensor head becomes dirty, clean with a soft cloth soaked in isopropyl alcohol. Do not use acids or alkali substances.

(3) CCFL light sources require high voltages to operate. Be sure to use lead wires and connectors that are suitable with the voltages being used. Also, design the unit with protective covers and other such precautions to prevent these components from being touched by bare hands.

(4) Make sure that the contact image sensor head is not subject to condensation. If condensation does occur, leave the power turned off until the condensation evaporates away.

(5) In order to prevent damage to the sensor IC or LEDs from static electricity, take the appropriate countermeasures against the accumulation of electric charges. Also, never touch the connector pins or other electrodes with your bare hands.

(6) For contact image sensor heads with CCFL light sources, a small amount of mercury is contained inside the lamp. When disposing of the lamp because it is damaged or fails to work, always follow the local ordinances and regulations.

Notes

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