

Handling Precautions for LED Brackets (DB)

To ensure safe use, be sure to read these precautions together with the general precautions.

Feel free to contact the Customer Service Center if you have any questions.

Precautions for Use

- The DB series indicator lamps are for indoor devices. Do not use them for outdoor purposes.
- The DB series is designed to work on DC power. They cannot be used on AC power. When using products of the series in an AC circuit, provide a rectifier circuit to convert AC to DC.
- When connecting any of the DB series products to wires, check the polarity indication on the product to make sure that the polarity is correct.
- Semiconductor elements are used. Pay attention to static electricity during handling and use.
- Connect a protective resistor in series that is applicable to the working voltage. (Refer to the protective resistor table for the value of the protective resistor to be connected)
- When bending the leads of an LED element with lead type terminals, secure a distance of 2 mm or more between the bending position and the bottom of the product. Soldering must be performed after bending.
- While soldering, be sure not to apply a load to the terminal.
- Do not touch charged parts during use (while voltage is applied), or you may receive an electric shock.
- Make sure that any load is not applied to the terminals after wiring.
- When multiple identical products are used in a row, note that their brightness may not be uniform due to LED element variations.
- When connecting a wire, make sure that the cross-sectional area of the wire is suitable for the current.
- Some of the LED elements used in the DB series contain GaAs (gallium, arsenic). Do not break, cut, crush or chemically decompose them.
When disposing of products, comply with applicable laws and regulations, and be careful not to mix them with general industrial waste or household waste.
- Observe product specifications and maximum rated values for LED elements that are specified individually.
- Consult with us in advance if intending to use the DB series on equipment that requires high quality and high reliability and for which failure or malfunction may directly threaten human life or cause injury (nuclear power control, aerospace equipment, transportation equipment, medical equipment, various safety devices, etc.).
- Check the product specifications before use.
- Consider how to appropriately mount the product (securing insulation distances). When connecting wires, also make sure that the necessary insulation distances are secured between the wires to be connected and adjacent poles, mounting panels, and other products.
- When using plug-in terminal type products, be careful not to twist them when inserting them into or removing them from receptacles.
- Make sure that the mounting holes and tightening torques are within the individually defined specifications. Note that the dimensions of the mounting holes of some one-touch mounting type products may change depending on the thickness of the mounting plate.
- After a product is mounted on a panel, do not push or turn it forcibly.