

# Junction box gel seal

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Condensation, heavy precipitation, powerful water jets: When moisture meets electricity, a short circuit can happen quickly. And encapsulation has been widely used to shield electrics from moisture. But now, reliable moisture protection for splicing connectors can be achieved even faster and easier with the WAGO Gelbox. It is ready for immediate use in a wide range of low- and extra-low voltage applications.

Which Gelbox is the right one for my WAGO installation connector? You can easily answer this question with the Gelbox product finder. Simply select your connector, and the product finder will guide you to the right Gelbox.

The WAGO Gelbox is a compact box pre-filled with silicone-free gel. The Gelbox is available in nine sizes and provides IPX8 moisture protection for WAGO's 2273 Series PUSH WIRE(R) Connectors for Junction Boxes, as well as WAGO's 221 Series Splicing Connectors and Inline Splicing Connectors with levers. This protection type requires the connectors to be completely sealed off against water and able to withstand continuous immersion in water. Conventional potting compounds like polyurethane and silicone also meet IPX8 requirements,

but what's special about the WAGO Gelbox is that it protects the electrical installations exactly where it matters - at the connection points - without permanently encapsulating the distribution boxes. Unlike silicone-based gel, the WAGO Gelbox's silicone-free gel supports a virtually unlimited number of applications.

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The WAGO Gelbox can be used in a wide range of low- and extra-low-voltage applications. However, its use differs somewhat among the specific voltage ranges. For example, in low-voltage applications (e.g., 230 V), the Gelboxes are used in junction boxes together with splicing connectors. This is the only way to ensure double cable insulation to protect against electric shock, since only the conductors are encapsulated in the WAGO Gelbox. In SELV (Safety Extra Low Voltage) applications, the WAGO connectors can be used with Gelboxes without an additional junction box.

Installation is easy: Open the box, insert the connectors, close the box. In more detail: Open the WAGO Gelbox, place the wired splicing connectors in the box and close the box with slight pressure. The gel wraps itself completely around the installation.

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the WAGO Gelbox, place the wired splicing connectors in the box and apply pressure to close the box. The gel wraps itself completely around the installation.

The WAGO Gelboxes are simply used in junction boxes together with splicing connectors. This is the only way to ensure double cable insulation to protect against electric shock.

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