



# Junction & Terminal Boxes

Pls contact [Stahl@unitconcept.com](mailto:Stahl@unitconcept.com) for more details and pricing



## Junction & Terminal Boxes



Safely conduct, connect and distribute energy in hazardous areas with R. STAHL's terminal boxes. We offer bespoke, custom-made terminal boxes and terminal box combinations, as well as standard products with short delivery times. Our products are certified for wiring systems worldwide.

R. STAHL's installation material fulfills international explosion protection requirements. Whether it's a bespoke design to your specifications or one of our standard models, we will supply you with the terminal boxes you need for projects large and small. For our standard products, we have developed what we call our "Fast line".

- Bespoke terminal boxes and terminal box combinations
- Short delivery times: Standard versions from the "Fast line" ready for dispatch in just 3 days
- Certified installation material for the different wiring systems worldwide

## GRP Ex e Junction and Terminal Boxes



Their impact resistant, glass-fibre-reinforced polyester resin enclosures make R. STAHL's Ex e terminal boxes perfect for use in harsh conditions. They are available with different enclosure formats, and can be equipped with terminals to meet the customer's exact requirements.

These "increased safety" (Ex e) terminal boxes are made from impact resistant glass-fibre-reinforced polyester resin. They also fulfil the requirements of IP66 degree of protection, making them ideal for use in harsh and hazardous environments. With 11 enclosure sizes of varying heights, you can be sure that there will be a model to suit, whatever the installation situation. The terminal boxes can be equipped with terminals up to a size of 300 mm<sup>2</sup>, depending on the customer's requirements. They can also be supplied with flanges on the sides of the enclosure on request.

- Robust: Terminal boxes made from impact resistant glass-fibre-reinforced polyester resin, IP66 degree of protection
- Versatile: Eleven basic enclosure sizes, different enclosure heights, terminals as per customer requirements
- Practical: Featuring captive cover screws, with optional flanges on the sides

## Stainless Steel Ex e Terminal Boxes



R. STAHL's high-quality stainless steel Ex e terminal boxes are perfect for use in harsh environments. With a choice of different sealing formats coupled with terminals tailored to the customer's requirements, these terminal boxes are incredibly versatile.

These "increased safety" (Ex e) terminal boxes are made from brush finished stainless steel (1.4301 (AISI 304) or 1.4404 (AISI 316L)) and fulfil the requirements of IP66 degree of protection. This makes them perfect for use in harsh and hazardous environments.

Clever details such as the channel that runs around the edge to prevent the ingress of water and the high-quality sealing materials we use all add up to make them the ideal choice. Each terminal box can be customised with different sealing variants (hinges, cam lock, screw-on cover), terminal blocks, cable glands and cable entries, and optional flanges.

Depending on the specifications provided with the order, the terminal boxes can be fitted with terminal blocks, cable glands and cable entries. Terminals up to a size of 300 mm<sup>2</sup> can be used. Upon request, flanges can be fitted on more than one side of the enclosure.

## Features:

- Robust: Terminal boxes made from high-quality stainless steel
- Versatile: Choice of different sealing formats, terminals as per customer requirements
- Clever design: Wide opening angle (130°), protection against the ingress of water, optional flanges on the sides
- Enclosure made from brush finished stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316L)
- With a choice of hinges, cam lock or screw-on cover
- Hinged versions with wide opening angle of 130°
- Withstands a wider range of ambient temperatures due to high-quality sealing materials
- Protection channel that runs around the edge to prevent the ingress of water
- M8 external earth connection
- Flange plate that can be screwed on from the outside for easy installation
- IP66 degree of protection

## Cast Aluminium Ex d Junction and Terminal Boxes



R. STAHL's 8252 series terminal boxes are suitable for all Ex d applications, including with electronic modules and relays. They are available in three different sizes, and thanks to a number of practical design details, are easy to install. They are made from a copper-free cast aluminium alloy, which makes them incredibly resistant to damage from seawater.

R. STAHL's new 8252 series seawater-resistant, cast aluminium alloy, flameproof terminal boxes are suitable for all applications with Ex d type of protection. Their certificate also applies to control systems, which means that they can also be designed to include electronic modules and relays. Our terminal boxes are available with three, four or five hubs and with a choice of three different enclosure sizes. All enclosures are supplied with precut threads (metric/NPT) and a fitted DIN rail. Thanks to the integrated holes, they are quick and easy to install. They are made from a copper-free cast aluminium alloy, which increases their resistance to corrosion. Standard cable glands for terminal boxes can be used with these terminal boxes without the need for any compound.

- Ex d enclosure made from seawater-resistant, copper-free cast aluminium alloy, powder-coated in accordance with RAL 7032
- Integrated holes, precut thread and fitted DIN rail make these quick and easy to install
- Can also be used with electronic modules and relays

## High-Current Terminal Boxes



R. STAHL's 8146 series cable end boxes connect electric lines for currents of up to 400 A in hazardous areas, and are equipped with terminals of between 35 and 185 mm<sup>2</sup> to meet your exact requirements. Their polyester resin enclosures and IP66 type of protection make these high-current terminal boxes robust, as well as making them an excellent choice for use in offshore applications and at low temperatures.

R. STAHL will configure the 8146 series cable end boxes with terminals between 35 and 185 mm<sup>2</sup>, exactly as you need. The ingoing and outgoing electric lines are routed into the enclosures via cable glands and cable entries. Depending on the version, these enclosures are suitable for rated operational currents of up to 400 A. The enclosure on the high-voltage terminal boxes is made from glass-fibre-reinforced polyester resin and boasts type of protection IP66, making these terminal boxes suitable for use in offshore environments.

### Features:

- Robust glass-fibre-reinforced polyester resin enclosure, IP66
- High-performance: Versions for rated operational currents of up to 400 A
- For terminals between 35 and 185 mm<sup>2</sup>
- Choice of cable glands/cable entries: Plastic or metal

## Terminal Boxes Industrial Version



### Features:

- Enclosure made from brush finished stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316L)
- With a choice of hinges, cam lock or screw-on cover
- Hinged versions with wide opening angle of 130°
- Withstands a wider range of ambient temperatures due to high-quality sealing materials
- Protection channel that runs around the edge to prevent the ingress of water
- M8 external earth connection
- Flange plate that can be screwed on from the outside for easy installation
- IP66 degree of protection