

# Flange on Terminal Box

Rear of the optical fiber distribution box



## AI Overview

A flange on a terminal box is a mounting and sealing feature that allows secure attachment to surfaces while preventing ingress of dust, moisture, or contaminants.

### Purpose of a Flange

A flange on a terminal box serves primarily to mount the enclosure securely to walls, pipes, or other structures, providing stability and alignment for electrical connections. In addition, flanges often contribute to sealing the enclosure, preventing dust, dirt, or moisture from entering, which is critical in industrial or hazardous environments .

### Types of Flanges

- **Clip-in or Snap-out Flanges:** Common in CEAG or Crouse-Hinds terminal boxes, these allow flexible mounting and easy removal for maintenance or reconfiguration .
- **Return Flanges:** Found in stainless steel terminal boxes like the Pepperl+Fuchs FXLS series, these flanges create a sealing lip that prevents contaminants from entering when the lid is opened, ideal for hygienic or food-processing environments .
- **Removable Mounting Flanges:** Some plastic or polycarbonate enclosures feature flanges that can be detached or repositioned, offering versatility in installation .

### Materials and Construction

Flanges are typically made from the same material as the enclosure, such as stainless steel (316L) for corrosion resistance or impact-resistant polycarbonate for durability and chemical resistance . In hazardous areas, flanges are designed to co...

## Article Content

Jun 27, 2026

Terminal and Junction Boxes Ex e / Ex i with Return Flange, Stainless ...

16 enclosure size options Return Flange Sealing provides Drain Channel Customizable configuration of terminals, cable entries and

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Flanged Boxes | McMaster-Carr

Choose from our selection of flanged boxes in a wide range of styles and sizes. Same and Next Day Delivery.

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Terminal boxes | Junction boxes | Ex | Ex e | Ex d

Standard models available with short delivery times or custom-made terminal boxes – so that you are

Jan 10, 2026

Terminal boxes from R. STAHL with short delivery times

Terminal boxes industrial version Enclosure made from brush finished stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316L) With a

May 11, 2026

Mechanical Features Terminal Box Posit

Attention: Terminal box location and foot location cannot be facing in the same direction!

Jul 20, 2026

8125\_TerminalBoxes\_EK00\_III\_en.fm

Terminals up to a size of 300 mm<sup>2</sup> can be used. Upon request, flanges made of stainless steel or galvanised steel sheet can be

Jan 04, 2026

Crouse-Hinds series GHG7 Terminal Boxes catalog page

The terminal boxes can also be equipped with (when of mounting rail and height the terminals. It is based on com-mon terminal types

Sep 25, 2025

## Rail-Mount Terminal Blocks | Electrical Interconnections

The largest selection of rail-mount terminal blocks from the market leader. The best rail-mount terminal

Apr 16, 2026

## Cable entry flanges MBFL

Presently MULTI-BOX MBFL entry flanges are available in three different versions that differ by the number

May 31, 2026

## Terminal box | Ex | Ex e | Polyester resin | R. STAHL

Robust: Terminal boxes made from impact-resistant glass-fibre-reinforced polyester resin, IP66 degree of protection Versatile:

Jul 31, 2025

## Crouse-Hinds series GHG7 Terminal Boxes catalog page

The well-proven clip-in flanges in moulded plastic or metal design allow multiple application possibilities. As a result of the optimized

Apr 18, 2026

## Terminal box KX, sheet steel, without gland plate

The small enclosure KX, terminal box KX, without a gland plate allows for flexible interior installation while

Feb 24, 2026

## Terminal and Junction Boxes (Ex d) | Explosion Protection

EJB terminal boxes and junction boxes offer an extended operating temperature range down to -60 °C and can be configured as per

Jun 26, 2026

## Explosion protection terminal boxes for high-voltage cables

R. STAHL's 8125 series high-voltage terminal boxes comprise three Ex e enclosures, which are flange-mounted to one another. The

Aug 19, 2025

## Terminal boxes | Junction boxes | Ex | Ex e | Ex d | ATEX | Explosion ...

Terminal boxes for safe installation in hazardous areas Safely conduct, connect and distribute energy in hazardous areas with R.

Sep 06, 2025

This drawing is not representative of all frame sizes. It is used as a ...

D Flange B14 Flange (C-DIN) This drawing is not representative of all frame sizes. It is used as a dimension guide only. WARRANTY

Oct 17, 2025

Flange plate | KTB GP XX1513V AB S4 PE | 2022770000

Klippon TB (Terminal Box), flange plate, straight, Height: 146 mm, Width: 100 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic

Jul 29, 2025

Stainless steel Ex e terminal boxes

Each terminal box can be customised with different sealing variants (hinges, cam lock, screw-on cover), terminal blocks, cable

May 09, 2026

One Terminal Box | Any Industry | Innovations |R. STAHL

A terminal box ensures the manageable connection of various electrical components. In order to cater to all industry applications, we

Apr 23, 2026

Terminal and Junction Boxes Ex e / Ex i with Return Flange, Stainless ...

All FXLS enclosures feature a return flange sealing method which prevents accumulated dirt, dust and moisture from entering the

Jul 18, 2026

Surface Mount Electrical Boxes & Wall Mount

Shop surface mount electrical boxes and wall mount enclosures available in a wide variety of sizes and

May 21, 2026

Terminal and Junction Boxes Ex e / Ex i with Return Flange, Stainless ...

Terminal and Junction Boxes Ex e / Ex i with Return Flange, Stainless Steel Function The SR series is a flexible range of terminal

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Flanged Terminals | McMaster-Carr

Choose from our selection of flanged terminals, including ring terminals, quick-disconnect terminals, and more. Same and Next Day

Oct 14, 2025

Terminal and Junction Boxes (Ex e, Ex i, Ex op)

SR.TFO splice boxes feature a 45° return flange sealing method which channels water away from the seal

## Contact Us

For more information, pricing, or custom solutions, please contact us:

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