

Price of small busbar on top of switchgear cabinet



Overview

Bus Bars | McMaster-Carr Choose from our selection of bus bars, including over 650 products in a wide range of styles and sizes. Same and Next Day Delivery.

Key Takeaways

The price of a small busbar for low-voltage switchgear cabinets typically ranges from \$50 to \$200 per unit, depending on material, size, and supplier. Pricing Overview

Small busbars are generally made of copper or aluminum, with copper being more expensive but offering higher conductivity and durability, while aluminum is lighter and 30–50% cheaper for equivalent ampacity . For low-voltage switchgear cabinets, suppliers like Greenpower offer small busbars with delivery times of 3–30 days after order confirmation . Prices vary based on the busbar's length, thickness, and number of poles, as well as any additional insulation or mounting accessories.

Material and Form Factor Considerations

- Copper Busbars: Higher cost, excellent conductivity, long-term reliability.
- Aluminum Busbars: Lower cost, lighter, easier to handle, but requires careful surface preparation to prevent oxidation .
- Flat Busbars: Most common and cost-effective for standard switchgear.

- Solid or Laminated Busbars: Used for higher mechanical strength or sensitive equipment, which can increase the price .

Supplier Options

- Greenpower (Made-in-China): Offers small busbars for low-voltage MNS cabinets with international shipping and packaging options like vacuum-sealed plywood cases .

- McMaster-Carr: Provides a wide range of busbars suitable for switchboards and battery banks, with same-day or next-day delivery for certain sizes .

- Rittal RiLine Systems: Modular busbar systems for top-mounting on switchgear, rated up to 2100 A, with tool-free installation and contact hazard protection .

Additional Considerations

- Ensure the busbar is rated for the current load of your switchgear.
- Check installation compatibility with your cabinet type (top-mounted or internal).
- Factor in shipping, customs, and handling costs if ordering internationally. In summary, for a small busbar on top of a low-voltage switchgear cabinet, expect a unit price between \$50 and \$200, with variations depending on material, size, and supplier, while ensuring compliance with electrical standards and safe installation practices .

Article Content

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Up to 24 kV, for indoor installations and built as a single busbar or back-to-back in double bus bar arrangement. It complies with IEC

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Specifications ... General Data ... (1) The admissible load of a complete system depends on the system topography and the

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Special busbar systems for all electrical connections in switchgear, control cabinets and low-voltage systems.

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Standard cubicle configurations for a medium voltage metal-enclosed ...

MV metal-enclosed switchgear This technical article will shed some light on the standard design of medium voltage

Medium-voltage metal-enclosed switches technical data

The switchgear assembly shall consist of a deadfront, metal-enclosed and integrated assembly including two (2) load interrupter

Busbar Design Guide

Typical Busbar Sizes If this program recommends sizes that do not fit into the ranges below, change either the number of conductors

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Mini Busbar, 100 Amp

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

